

HOSTILE VEHICLE MITIGATION SOLUTIONS & PERIMETER CONTROLS



SAFER PUBLIC SPACES

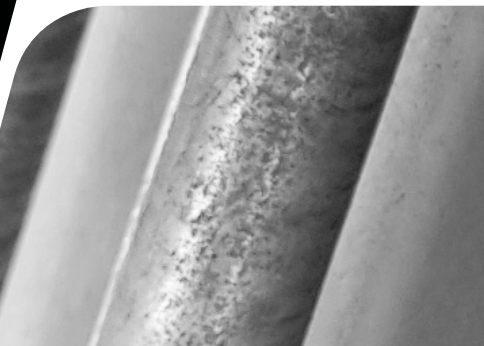
OUR PHILOSOPHY

Ezi Security Systems designs, manufactures and installs a premium range of perimeter security solutions for both vehicle and pedestrian access control, with specialised expertise in Hostile Vehicle Mitigation and protection of Crowded Spaces. With core competence established over 27 years, Ezi Security Systems provides innovations of our own invention, and via alliances with undisputed world leaders in our field, deliver sophisticated solutions at the leading edge of global technology.

Over the past 5 years the world has changed dramatically. In collaboration with our strategic business partners, Ezi has responded decisively by mitigating hostile vehicle threats through our extensive Crowded Spaces range of products. Ezi offers permanent solutions for risk categories from low to extreme, as well as rapid deployment products for crowded spaces and public events, such as the Impakt and Rapid Defender products.

All Ezi Security Systems AVB and HVB systems have been rigorously crash tested and certified to meet requisite ASTM, IWA and PAS 68 stipulations. Along with our global partners, Ezi Security Systems actively collaborate in the development and deployment of contemporary strategies such as VAAW (Vehicle as a Weapon) mitigation, deploying whole of environment solutions. Ezi have solutions to meet your very highest security requirements whilst maintaining an aesthetically compatible solution for your site.

You can be confident that when serious security is your requirement, you need look no further than Ezi. We stand ready to be of expert service in an ever evolving environment, as global security risks increasingly demand local solutions.





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HOSTILE VEHICLE MITIGATION FENCING



IWA 14 SPRINGLINE 50 & 30

Safetyflex Barriers were commissioned to specially design a crash fence, with a very shallow foundation of only 400mm that could be installed into soft ground.

This IWA 14 springline crash fence, is designed to protect key sites, like airports, MOD Bases, oil and gas Infrastructure, or any other facility that requires hostile vehicle mitigation measures along the fence line, from any vehicle attack.

The springline 50, can be installed in short and long runs, and can stop a 7200 kg truck at 80kph.

ADVANTAGES OF SPRINGLINE CRASH FENCE

- ◆ No need for deep foundations.
- ◆ Fitted and tested in soft ground.
- ◆ No heavy transport needed to move it to and from the site.
- ◆ No heavy plant needed to install it.
- ◆ The system is delivered in break down kits with ready made rebar cages if needed.
- ◆ Just part of the fence can be removed for access if needed.
- ◆ Available to a surface mounted options





Springline 30 & 50 are well-designed fencing system can be fitted in soft water logged ground or hard ground with only a foundation of 400mm deep. The foundation post blocks are not linked underground so you do not have to run the fence in a straight line. The posts slings have also been designed so they are independently linked to each post so that the system can go up and down slopes and around corners by just moving the slings no special parts are needed to do this as the cable slings are designed short and they are easy to handle and follow the contour of the ground by moving the slings on the posts.

SPRINGLINE 50 SURFACE MOUNTED

- ◆ Crash tested at 80kph (50mph) with a N3C vehicle-head on attack.
- ◆ Surface mount solution.
- ◆ Safetyflex barriers, are the only company in the world to offer this product.
- ◆ No foundation required.
- ◆ No need to worry about underground services or utilities.
- ◆ No requirements for removal of soils, and contaminated soil.
- ◆ Fast deployment.
- ◆ Most advanced crash rated hostile vehicle mitigation (HVM) solution in the world.

"RELIABLY PROTECT PERIMETERS FROM VEHICLE ATTACK"

CRASH FENCE SPRINGLINE 30 VEHICLE PERFORMANCE CLASSIFICATION

MODEL NO.	CERTIFICATION	FOOTING DEPTH
EZI-HVM-SF-030	PAS68:2010: 7500(N2)/48/90/0.3	400MM

CRASH FENCE SPRINGLINE 30 - SM VEHICLE PERFORMANCE CLASSIFICATION

MODEL NO.	CERTIFICATION	FOOTING DEPTH
EZI-HVM-SF-030	PAS68:2010: 7200(N2A)/48/90/5.4	SM

CRASH FENCE SPRINGLINE 50 VEHICLE PERFORMANCE CLASSIFICATION

MODEL NO.	CERTIFICATION	FOOTING DEPTH
EZI-HVM-SF-050	IWA-14-1;2013 FENCE V/7200[N3C]/80/90:8.5	400MM

CRASH FENCE SPRINGLINE 50 - SM VEHICLE PERFORMANCE CLASSIFICATION

MODEL NO.	CERTIFICATION	FOOTING DEPTH
EZI-HVM-SF-050	PAS68:2010: 7200(N3C)/80/90/6.8	SM

SHALLOW MOUNT IWA 14 CRASH TESTED SECURITY SOLUTION



SPRINGLINE 50



SPRINGLINE 50



SPRINGLINE 50 - SM



SPRINGLINE 50 - SM



HOSTILE VEHICLE MITIGATION BARRIER



M50 & M30

PPG CRASH BOLLARD SERIES

Elkosta Bollards At A Glance

- ◆ Vehicle crash-tested to internationally accepted standards
- ◆ Robust construction with heavy gauge material and high tensile steel
- ◆ Fast operating times
- ◆ Easy installation due to ready-to-install bollard unit and separate control box
- ◆ Shallow foundation
- ◆ Optional Emergency Fast Operation (EFO)
- ◆ Installation in all climate zones possible
- ◆ Reliable operation and low maintenance
- ◆ Operation of up to five bollards with one common control unit
- ◆ Traversable in lowered position according to bridge class SLW 60
- ◆ Blocking element with optional top lighting
- ◆ Override facility for manual lowering
- ◆ Optional accumulator for emergency operation during power failure



HIGH SECURITY BLOCKING EFFECT

Ezi Security System offers from its bollard product family a wide range of solutions for entries, where pedestrians may enter unhindered but vehicle traffic is to be stopped. Due to their attractive designs the bollards can be used in inner city surroundings for city security and traffic management. Applications can range from temporary closing of city centres, but still allowing vehicles with permission to pass, to real estate properties with high security needs. Ezi products are widely used for military sites, governmental buildings, embassies, banks and city centres.

DIFFERENT TYPES AND MANY FEATURES

The crash bollard M30 is designed for high security applications and has a height of 1000 mm. The bollard M50 is able to take an even higher impact load and has a height of 1100 mm. All elkosta bollards can be supplied with different control features or can be integrated into existing security systems. For user safety, optical and acoustic warning devices as well as induction loops and photo beam systems are available.

DIFFERENT TYPES AND MANY FEATURES

Crash bollards share a rigid steel tube as blocking element and are available in different sizes. The lowered bollards adhere to bridge class 60,

so even the heaviest wheeled vehicles can drive over them safely. All movable bollards are equipped with an integrated hydraulic drive. The advantages of this drive technology are maximum power transmission and working reliability under most adverse weather conditions. During power failure the bollards can be lowered manually. The blocking width can be varied by the number of bollards in a row. Up to five bollards can be operated with one common control unit.

ELKOSTA M50 VEHICLE PERFORMANCE CLASSIFICATION

MODEL NO.	TYPE	CERTIFICATION	FOOTING DEPTH
EZI-HVM-ARB-050	MOVABLE	ASTM F 2656-07 M50/P2 PAS68 V/7500[N3]/80/90:5.2/7.8 IWA-141 V/7200[N3C]/80/90:5.5	
EZI-HVM-SB-050	FIXED	ASTM F 2656-07 M50/P1 (TRIPLE UNIT)	

ELKOSTA M30 VEHICLE PERFORMANCE CLASSIFICATION

MODEL NO.	TYPE	CERTIFICATION	FOOTING DEPTH
EZI-HVM-ARB-030	MOVABLE	PAS 68 V/7500[N2]/48/90:0.0/0.0 IWA 14-1 V/7200 [N2A] 48/90:0.4	
EZI-HVM-ARB-030	FIXED	VEHICLE IMPACT SIMULATION M30/P1 (TRIPLE UNIT)	

SHALLOW MOUNT IWA 14 CRASH TESTED SECURITY SOLUTION





HOSTILE VEHICLE MITIGATION BARRIER



CITY PROTECTOR M40 & M50

PPG CRASH BOLLARDS RANGE

CityProtector M40

Prior to the market launch, the new bollard was crash tested. The CityProtector M40 passed the impact almost unscathed with complete destruction of the vehicle. The penetration distance of zero is an incredible result and unrivaled in the high security market. The less the penetration, the safer the area for public life.

CityProtector M50

Shortly afterwards, the CityProtector M50 was also successfully crash-tested. This crash test was carried out at a higher speed of 80 km/h and received excellent results too.

- Shallow foundation
- Zero Penetration Impact tested bolt down bollard
 - Easy to mount bollard
- Flexible design to suit the site architectural requirements
 - Inspired by the bio mechanics of nature





CityProtector – newest market innovation bollard with incredible ZERO penetration

Easy to Mount

Bollards in tube form have been used for centuries. The R&D team from Perimeter Protection Group questioned this and entered completely new paths. For the new bollard design, they were inspired by the biomechanics of nature, especially the shark tooth.

During development, it was ensured that the CityProtector can be assembled and disassembled manually by only one person. This means that heavy machinery such as cranes or forklifts are no longer required.

Zero Penetration

Prior to the market launch, the new bollard was crash tested. The CityProtector passed the impact almost unscathed with complete destruction of the vehicle. The penetration distance of zero is an incredible result and unrivalled in the high security market. The less the penetration, the safer the area for public life.

Shallow Foundation

The shallow foundation depth of only 220 mm is particularly important. Especially in inner cities, where pipes, underground garages and other structures run underneath the surface, every millimeter counts. This makes it easier to carry out construction projects.

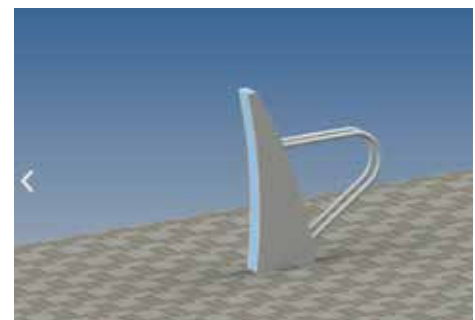
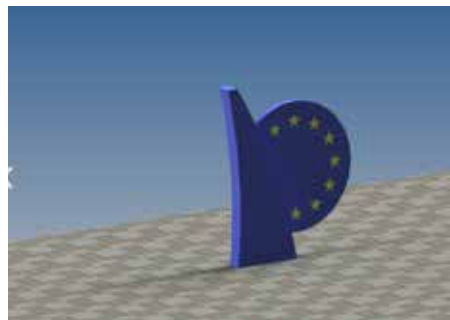
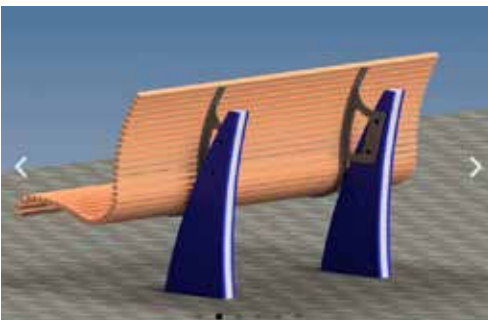
CITY PROTECTOR M40 VEHICLE PERFORMANCE CLASSIFICATION

MODEL NO.	CERTIFICATION	FOOTING DEPTH
EZI-HVM-PPG-040	PAS 68:2013 V/7500[N2]/64/90:0.3/15.7	3,900 X 1,750 MM (TRIPLE UNIT)
EZI-HVM-PPG-040	IWA 14-1:2013 V/7200[N2A]/64/90:0.7	

CITY PROTECTOR M50 VEHICLE PERFORMANCE CLASSIFICATION

MODEL NO.	CERTIFICATION	FOOTING DEPTH
EZI-HVM-PPG-050	IWA 14-1 V/7200[N2A]/80/90:4.3	3,900 X 1,750 MM (TRIPLE UNIT)

MINIMAL PENETRATION WITH SHALLOW FOUNDATION





HOSTILE VEHICLE MITIGATION BARRIER



APT40SH & APT30SM

EAGLE APT SERIES BOLLARDS

APT30SM

- ◆ Designed for threats of up to 30mph at 7.5 tonne
- ◆ World's only impact tested bolt down bollard
- ◆ Bolts to existing concrete foundation of 100mm
- ◆ Bolts direct to suspended slabs
- ◆ 219mm diameter bollard core
- ◆ Requires as little as 50mm cover of any material
- ◆ Used as temporary or permanent security
- ◆ Supplied complete with all connecting bars and bolts
- ◆ Corner sections available
- ◆ Painted, stainless steel, decorative or site specific bespoke sleeves available
- ◆ 1000mm finish height (bespoke heights available on request)

APT40SH

- ◆ Ultra shallow foundation of just 125mm
- ◆ Unique and simple chain based connection system
- ◆ 219mm or 273mm diameter bollard options
- ◆ Corner and other angular sections available
- ◆ Painted, stainless steel, decorative or site specific bespoke sleeves available
- ◆ 1000mm finish height (bespoke heights available on request)



Eagle APT Bollard series includes both rising and static bollards with proven impact rating and handling world class standards. The Eagle APT series holds both static and rising bollard that can accommodate myriad of situations including protection of critical infrastructures and managing pedestrians and driveways.

This series includes one automatic telescopic rising bollard and two static bollards proud of its quality performance with shallow foundation requirement. (See Eagle APT 30AT automatic bollard's details next page.

APT30SM

The APT30SM is the worlds first impact tested bollard that can be bolted to any existing concrete foundation making it perfect for suspended slabs or other areas where you have existing concrete. It was tested at TRL with the N2 7.5 ton vehicle at 48kph.

APT40 SH

The APT40SH is an ultra shallow foundation static bollard tested at Mira with the N2 7.5 ton vehicle at 64kph. This bollard requires a foundation depth of just 125mm meaning you can easily avoid all ground based services. The unique and simple nature used to connect the bollards means that it can be installed in cambers and gradients.

**APT30SM STATIC BOLLARD
VEHICLE PERFORMANCE CLASSIFICATION**

MODEL NO.	CERTIFICATION	FOOTING DEPTH
EZI-HVM-APTS-030	PAS68: V7500(N2) 48/90:5	100 MM

**APT40SH STATIC BOLLARD
VEHICLE PERFORMANCE CLASSIFICATION**

MODEL NO.	CERTIFICATION	FOOTING DEPTH
EZI-HVM-APTS-040	PAS68: V7500(N2)64/90:3	125 MM

QUALITY PERFORMANCE WITH SHALLOW FOUNDATION



APT30SM



APT40SH



HOSTILE VEHICLE MITIGATION BARRIER



APT 30 AT

EAGLE APT SERIES BOLLARDS

APT 30AT Features include:

- ◆ Supplied with integral re-bar making installation simple and quick
- ◆ Impact tested as a single unit in a single foundation
- ◆ Very shallow foundation of just 500mm
- ◆ 900mm raise height above ground
- ◆ Zero penetration after impact
- ◆ Uses 3 phase power at 10amp
- ◆ 100% duty cycle
- ◆ Can be supplied with LPS SR2 or LPS SR4 security cabinets if required
- ◆ Complies with all safety standards
- ◆ Supplied with a high performance control board
- ◆ Works standalone, in unison with other products or as a tiger trap
- ◆ Can also be used as a manual system via drill or hand-pump

APT 30AT

The APT30AT is the worlds shallowest foundation automatically rising PAS68 telescopic bollard that has been fully tested at MIRA with the N2 7.5 ton vehicle travelling at 48kph. With a foundation depth of just 500mm (almost half the depth of its nearest competitor) it has an impressive raise height of 900mm to prevent most vehicles from gaining access to your facility. This was tested as a single unit with a single foundation and is supplied complete with integral re-bar pre attached to the bollard making installation very easy.



APT30 TELESCOPIC BOLLARD VEHICLE PERFORMANCE CLASSIFICATION		
MODEL NO.	CERTIFICATION	FOOTING DEPTH
EZI-HVM-APTR-030	PAS68: V7500[N2]48/90:0/0	500 MM

IMPACT TESTED WITH ZERO PENETRATION





SAFETYFLEX SERIES BOLLARDS

Developed to be impenetrable to terrorist attacks Safetyflex's unique system helps to protect and secure potentially vulnerable areas. This multipurpose system has proven itself in strength and flexibility and to be adaptable to various situations and locations such as airports, government buildings, military, utilities and infrastructure centres.

Safetyflex's in house testing facility provides customers with a guarantee that the product they install is the same as the product that was actually tested at MIRA. Each and every bollard is individually load tested before leaving the factory.

Unlike standard steel tube bollards Safetyflex's unique bollards are manufactured by using a special composition of spring steel allowing them to absorb extreme amounts of energy/impact thanks to its flex technology.

On impact, the dynamics off our spring steel bollard can move around the five Cartesian coordinates, them being x, y and z axis, and rotating on each axis. This allows it to behave as a torsion spring, a lateral translation spring and lateral bending spring, then returning to its original start point after impact.

	1.5 TONNE		7.2 TONNE			7.5 TONNE			18 TONNE		
	48KPH	48KPH (N2A)	64KPH (N2A)	80KPH N2A	80KPH (N3C)	48KPH (N2)	64KPH (N2)	80KPH (N3)	48KPH (N2)	64KPH (N2)	80KPH (N3C)
 PAS68 PLANTER (BSI PAS68:2010) V/7500/N2/64/90/2.8/7.2							●				
 CARSTOPPER 30 (BSI PAS68:2010) V/1500(M1)/48/90:1.76/0.0	●										
 TRUCKSTOPPER 3 (BSI PAS68:2007) V/7500/N2/48/90/0.00/0.00 (BSI PAS68:2007) V/7500/N2/48/45/3.3/0.00						●					
 TRUCKSTOPPER 6-30 (BSI PAS68:2010) V/7500/N2/48/90/2.8/0.00						●					
 TRUCKSTOPPER 7-40 (BSI PAS68:2010) V/7500/N2/64/90/7.1/14.8 (IWA 14-1:2013) V/7200(N2A)/64/45:3.3			●				●				
 TRUCKSTOPPER 9-40 IWA 14-1:2013 V/7200/(N2A)64/90/2.4			●								
 TRUCKSTOPPER 9-50 IWA 14-1:2013 V/7200/(N3C)80/90/10.5					●						
 TRUCKSTOPPER 10-30 (IWA 14) V/7200/N2A/48/90/8.2		●									
 SPINGLINE 30/50 (BSI PAS68:2013) V/7200/N2/48/90/3.4/6.4 (IWA14-1:2013) V/7200/N3C/80/90/8.5		●			●						
 SPRINGLINE 30/50 SM (IWA 14-1:2013) V/7200/N3C/80/90/6.8											●
 CRASHBLOCK 40/50 (BSI PAS68:2013) V/7500/N2/64/90/5.5 (IWA14-1:2013) Wall V/7200(N2A)/64/90:6.7 (IWA14-1:2013) Wall V/7200(N3C)/80/90:19.1 (IWA14-1:2013) Wall V/7200(N2A)/48/90:4.1		●	●		●		●				
 CRASH GATE 40 (IWA14-1:2013 GATE V/7200(N2A)/64/90:3.8			●								
 BRIDGE BOLLARD (IWA14-1: 2013 V/7200(N3C)/48/30:1.8					●				●		
 TRUCKSTOPPER RB0001-30 (BSI PAS68:2010) V/7500/N2/48/90/3.2/0.00 (BSI PAS68:2010) V/7500/N2/48/45/2.6/0.00						●					
 TRUCKSTOPPER RB0002-40 (IWA 14-1:2013) V/7200/(N2A)64/90/1.0			●								
 TRUCKSTOPPER RB003-50 (IWA 14-1:2013) V/7200(N2A)/80/90:3.1				●							

(To know more about Safetyflex Bollards see Safetyflex Product List Brochure 2021)



STRONG ARM M50 & M30

The StrongArm™ M30 and M50 barrier arm provides ultimate hardened security with unmatched user safety for the demanding reliability requirements of industrial, government and military users. High Security's unique dual arm design prevents a 15,000 lb (6.8 metric tons) truck or small passenger vehicle from penetrating a secure perimeter. Fast, continuous duty* arm speed minimises gate open time, and reduces traffic backup by moving more vehicles per hour through the access point.

Standard benefits

- ◆ Ultra reliable hydraulics and controls
- ◆ Extremely low maintenance
- ◆ Highest lifetime value - lowest lifetime cost
- ◆ Dual arm design
- ◆ Highly visible LED lighting across entire length of upper arm
- ◆ Traffic signal
- ◆ Supervised photo eye
- ◆ Emergency Fast Close
- ◆ Hand pump for manual operation integrated encoder provides precise arm positioning
- ◆ NEMA 3R all weather enclosure with superior hot dip galvanized anti-corrosion finish. Arm hydraulically locks - no need for Mag lock
- ◆ Environmentally friendly, wide temperature range fluid

StrongArm M30

- ◆ Fast arm speed, 6 to 8 seconds depending on arm length
- ◆ Deploy barrier arm in response to a threat in as little as 5 to 7 seconds with Emergency Fast Close.
- ◆ Unique dual arm design prevents a large truck or a small passenger vehicle from breaching the security perimeter.
- ◆ Foundation 6 x 6 x 2ft (183 x 183 x 61cm) or 4 ft square (122cm square); 3,000 psi concrete, #5 rebar, grade 60

StrongArm™ M50

- ◆ Fast arm speed, 6 to 8 seconds depending on arm length
- ◆ Deploy barrier arm in response to a threat in as little as 5 to 7 seconds with Emergency Fast Close.
- ◆ Unique dual arm design prevents a large truck or a small passenger vehicle from breaching the security perimeter.
- ◆ Foundation 6 x 6 x 4 ft (183 x 183 x 122 cm) 4,000 psi concrete, #6rebar, grade 60





StrongArm M30 & M50 take barrier arms to the extreme. These machines stop a 15,000lb truck driving 30mph (and 50mph respectively) in its tracks. While they protect nuclear power plants, government agencies, Department of Defence facilities and many other key assets, they also protect against accidental injury and death. Nearly all crash barrier accidents happen to authorised gate users, posing significant user peril and owner liability exposure.

“STRONGARM M30 & M50 MITIGATES THIS FACT BY EMPLOYING MANY STANDARD SAFETY BENEFITS NOT OFFERED BY COMPETITOR OPERATORS”

Lower barrier arms ensure that initial impact on small passenger vehicles occurs at the front of the vehicle, slowing or stopping the vehicle before the upper barrier arm impacts the passenger compartment. Most other designs, without a lower arm, would hit at windshield level sheering off the top half of a smaller vehicle. A smaller vehicle is more likely to be driven by a non-threatening innocent motorist. An entrapment shield around catch post prevents potential pedestrian entrapment or injury. Bright LED arm lighting increases visibility, especially at night and in harsh weather, to prevent accidental collision.

Integrated photo eye automatically detects people or vehicles in the way of the barrier arm during closing. The traffic signal clearly alerts motorists

when it is safe to pass through the barrier arm opening. The plate mount design allows foundation construction independent of equipment installation. Self contained controls and hydraulics reduce the need for expensive and time consuming trenching of hydraulic hose and wiring to a remote control panel. Ultra rugged hot dip galvanized steel for optimal corrosion protection is also included. Available option: durable “Signal Yellow” polyester powder coat over zinc plate for an enduring, attractive finish. Shallow M30 mount foundation reduces installation time and worries about utilities, water table, and other site concerns.

STRONG ARM M50 VEHICLE PERFORMANCE CLASSIFICATION

MODEL NO.	CERTIFICATION	FOOTING DEPTH
EZI-HVM-SAB-050	ASTM F2656-07 M50, P2 STANDARD, STOPPING 15, 000LB (6.8 METRIC TONS) TURCK TRAVELLING 50MPH (80KM/H) PENETRATED LESS THAN 1.3 METERS	1220

STRONG ARM M30 VEHICLE PERFORMANCE CLASSIFICATION

MODEL NO.	CERTIFICATION	FOOTING DEPTH
EZI-HVM-SAB-030	ASTM F2656-07 M30, P1 STANDARD, STOPPING 15, 000LB (6.8 METRIC TONS) TURCK TRAVELLING 30MPH (48KM/H) PENETRATED LESS THAN 1 METERS	1500

SHALLOW MOUNT IWA 14 CRASH TESTED SECURITY SOLUTION



STRONGARM M30

STRONGARM M50



HOSTILE VEHICLE MITIGATION WEDGE



WEDGE I

The wedge is completed with a top sheet of 10mm thick anti skid checker plate. Please note that Ezi offers a comprehensive range of complimentary products such as bollards, equipment pedestals, fencing, camera posts and pedestrian swing gates/ turnstiles.

Optimal security solution for highly sensitive entry points. Wedges offer maximum security for highly sensitive entry points against unauthorized vehicles of all sizes and weights.

Typical areas of application are embassies, government seats, research and development centres, power stations, industrial plants, military sites, airports and other high security areas.

"THE ELKOSTA WEDGE BARRIER K12 IS DESIGNED TO GUARANTEE THE FULL LEVEL OF SECURITY"



Wedge I was designed as a shallow mount road blocker with a blocking width of up to 4m. Its height above ground is 1200mm when lifted. This hostile vehicle mitigation solution was powered by an electro-hydraulic system.

The foundations were only 400mm deep and comprised with rebar reinforced concrete. Wedge I barriers offer maximum security against unauthorised wheeled vehicles of all sizes and strategically best installed within highly sensitive entry points.

Wedge I barrier is vehicle crash-tested to internationally accepted standards. This security solution features a robust construction with heavy gauge material and high tensile steel.

Both Wedge I and Wedge II are designed to guarantee the full level

of security and can be installed as a single unit or in combination with other products (e.g. barriers, gates, or bollards) in order to achieve a maximum security arrangement in forming a vehicle check point.

With decreased installation depth and foundation footprint, Ezi Wedge barriers reduce installation costs significantly and allow installation in areas where foundation depths are limited due to underground utilities. Installation is easily implemented due to ready-to-install wedge barrier units and separate drive cabinets.

Like all Ezi products, the wedge barriers offer reliable operation and are low maintenance.

		WEDGE I VEHICLE PERFORMANCE CLASSIFICATION	
MODEL NO.	TYPE	CERTIFICATION	FOOTING DEPTH
EZI-HVM-WI-050	WITH SKIRT	PAS 68 D/7500/80/90/1852	400 MM
EZI-HVM-WI-050	WITH WARNING PLATE	PAS 68 V/7500[N3]/80/90:0.0/18.0 DOS SD-STD-02.01 REV.A 03/2003 K12/L3	400 MM

RISES OUT WITH FULL LEVEL OF SECURITY



WEDGE I WITH SKIRT



WEDGE I WITH WARNING PLATE





HOSTILE VEHICLE MITIGATION WEDGE



WEDGE II

Available control options

- ◆ Extremely fast operation (approx 1 sec EFO option)
- ◆ State of art foundation and reinforcement
- ◆ Only 300 mm installation depth (200 mm foundation thickness + 100 mm below road covering)
- ◆ With or without safety skirt - one version for all requirements
- ◆ Reduced working oil volume due to single hydraulic cylinder
- ◆ Scale-downed versions of accumulator for EFO and RO3 function
- ◆ Compact and easy to install assembly unit
- ◆ Easy assembly for effortless maintenance
- ◆ LEDs available as optional extra



Elkosta Wedge II is designed to guarantee the full level of security. Typical areas of application are embassies, government seats, research and development centres, power stations, industrial plants, military sites, airports and other high security areas. It can be installed as a single unit or in combination with other products (e.g. barriers, gates, tyre killers or bollards) in order to realise a sluice arrangement forming a vehicle check point.

“THE WEDGE II IS ALSO SUITABLE FOR INSTALLATION IN CITY CENTRES DUE TO ITS SHALLOW FOUNDATION DEPTH OF ONLY 300 MM”

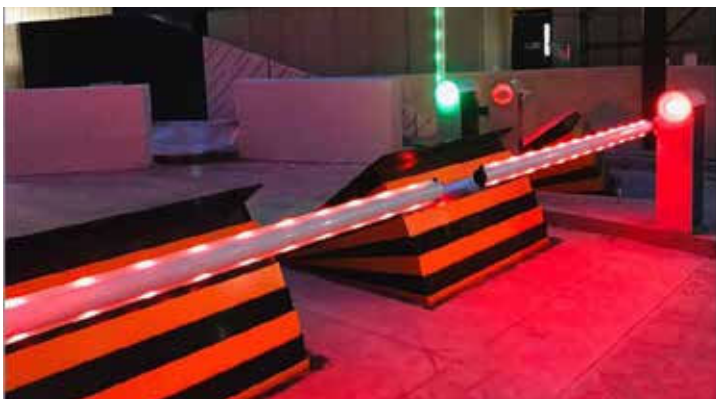
The new elkosta Wedge II was successfully tested to PAS 68:2013 and IWA 14-1:2013 standard stopping a 7.5 t vehicle travelling at 80 km/h with ZERO penetration. With its decreased installation depth and foundation footprint combined with the lowest foundation thickness in the world, the new Wedge II reduces installation costs significantly and allows installation in areas where foundation depths are limited

due to underground utilities. Compared to the previous model, the Wedge II features many technically innovative details, like state of the art foundation and reinforcement. It offers high energy efficiency due to employment of pressure spring pistons. Starting power and lifting power for raising of blocking element due to energy stored in pressure springs have been optimised as well.

Further improvements are the scale downed versions of accumulator for EFO and RO3 function. The Wedge II effectively blocks the road within 3 sec., decreasing to 1 sec. (via optional accumulator). The working oil volume was reduced due to use of a single hydraulic cylinder. This means lower costs for higher security.

WEDGE II VEHICLE PERFORMANCE CLASSIFICATION		
MODEL	CERTIFICATION	FOOTING DEPTH
EZI-HVM-WII-050	PAS 68 V/7500[N3]/80/90:0.0/20.7 IWA 14-1 V/7200[N3C]/80/90:0.0 TESTED WITH 4 M BLOCKING WIDTH ASTM F2656-15 M50/P1 TESTED WITH 2 M BLOCKING WIDTH	200 MM + 100MM PAVERS

STATE OF THE ART FOUNDATION AND REINFORCEMENT





SWING GATE CHALLENGER

SPECIAL FEATURES

- ◆ Available with any mesh infill, or cladding.
- ◆ In house design team with 3D solid modelling can be design a solution unique to your requirements.
- ◆ Comes with the option of various safety systems and manual release in the event of power failure.
- ◆ The gates are manufactured from 50mm x 50mm box section with 25mm bars

DRIVERS & CONTROLS

- ◆ 240V 50Hz 16amp supply
- ◆ PLC design available with frequency inverter speed control
- ◆ 24V motor or 3 phase motor available
- ◆ Heavy duty hinges
- ◆ Manual over-ride system



Key Features

- ◆ Available as a manual double leaf swing gate with opening of up to 8.0m
- ◆ Available as a automated single leaf gate swing with opening of up to 6.0m
- ◆ Heights up 3.6m
- ◆ Very secure with opening and closing speed of 25-35 seconds
- ◆ Full PLC control
- ◆ Galvanised and powder coated
- ◆ Smooth and quiet operation
- ◆ Low maintenance with few moving parts

PAS68 : Classification

- ◆ Tested with a N2 7500kg vehicle at 64kph (40mph)
- ◆ Gate Tested at 8.0m clear opening x 2.4m high
- ◆ Only 1.1m of penetration and zero debris
- ◆ Shallow foundations of only 380mm
- ◆ Gate frame can be shipped in sections and assembled on site
- ◆ Aesthetically pleasing and able to take power fence or security toppings

SWING GATE CHALLENGER VEHICLE PERFORMANCE CLASSIFICATION		
MODEL NO.	CERTIFICATION	FOOTING DEPTH
EZI-HVM-SG-050	PAS68 V/7500[N2]/64/90:1.1/0.0	400 MM

HIGH SECURITY SOLUTION WITH LOW MAINTENANCE



SAFETY

- ◆ Protected with CAT 3 safety edges
- ◆ Complies with gate safety standard EN 13241-1
- ◆ Hi/Lo safety photocells across threshold



SLIDING GATE INTERROGATOR

INSTALLATION

The gate is supplied from the factory as a complete assembled tested unit. Both the 40mph and 50mph products have the same foundations with a depth of only 380mm

OPERATION

The gate is powered by an electric motor with a hydraulic locking pin. Typical operating times are 35 sec seconds for an 8m opening (250mm/sec).

DRIVERS & CONTROLS

The gate is either electrically or hydraulically driven dependant on client specification. The gate has a locking pin ensuring that it is secure before impact. The gate is very smooth and quiet with exceptional control

in both directions. It has a powerful PLC with built in diagnostics and programmable inputs and outputs that can provide numerous options depending on client requirements. In the event of a power failure the gate has a full manual override system. The option of a powerful hydraulic motor is also available.

SAFETY

Compliant with EN 12453:2001 that recommends a minimum level of safeguarding for automatic gates. The gate comes as standard with CAT3 safety edges and light curtain that protects the threshold. Additional options include laser safety devices to protect zones. The control panel also has a dual channel loop card compatible with safety induction loops if required.





The INTERROGATOR is the worlds widest cantilever gate tested at 8m clear opening and 50mph. This security solution continue to lead the field with their innovative arrestor system. The gate produced outstanding results when tested on the N3 vehicle with only 1.6m of dynamic penetration

Eagle Automation offers two cantilever sliding gates both successfully tested at 40mph and 50mph with a N2 and N3 vehicle respectively (7500kg). The patent applied for arrestor system produced the lowest penetration classification in its class. With shallow foundation and extremely low penetration both products provide a superb engineered solution for protection against hostile vehicle mitigation.

Key Features

- ◆ The worlds widest Cantilever Gate tested at 8m clear opening and 50mph
- ◆ Smooth and quiet
- ◆ Standard operating speed 250mm/sec
- ◆ Heavy duty cantilever rolling gear
- ◆ High quality bearings and rollers

SLIDING GATE INTERROGATOR VEHICLE PERFORMANCE CLASSIFICATION		
MODEL	CERTIFICATION	FOOTING DEPTH
EZI-HVM-CSLG-040	PAS 68:2010 V/7500[N2]/64/90:5.6/10.1	400 MM
EZI-HVM-CSLG-050	PAS 68:2010 V/7500[N3]/80/90:1.6/5.4	400 MM

ENGINEERED ARRESTOR SYSTEM FOR HIGH IMPACT





HOSTILE VEHICLE MITIGATION VEHICLE GATE



BI-FOLDING SPEED GATE RAPIDE

INSTALLATION

The gate is supplied from the factory as a complete assembled tested unit. Both the 40mph and 50mph products have the same foundations with a depth of only 380mm. For a clear opening of 4.2m the base dimensions are approximately 5.6m x 2.6m x 0.38m.

OPERATION

The gate is powered by a hydraulic power pack that also controls the locking pin. Typical operating times are 8-9 seconds after allowing the pin to raise and lower. The gate is very smooth and quiet with exceptional control in both directions. In the event of a power failure the gate has a full manual override system.

DRIVERS & CONTROLS

The gate is hydraulically driven with a bespoke power pack and cylinder producing a smooth quiet operation with few moving parts. The gate has a powerful PLC with built in diagnostics and programmable inputs and outputs that can provide numerous options depending on client requirements





Ezi Security Systems offers two PAS68 Eagle Bi-Folding gates both successfully tested at 40mph and 50mph with a N2 and N3 vehicle respectively (7500kg). The Eagle arrestor system produced the lowest penetration classification in its class. With shallow foundation and extremely low penetration both products provide a superb engineered solution for protection against hostile vehicle mitigation.

Steel construction, galvanised and powder coated to a standard RAL colour. Vertical bar infill with options of different mesh and security topping available.

The gate is tested for a clear opening of 4.2m and can be manufactured for heights up to 5m. Outside dimensions over the posts are 4.8m and allowing for control cabinets is 5.4m. Overall height for the gate at 2.4m is approximately 2.8m allowing for the base frame.

Key Features

- ◆ Trackless
- ◆ Smooth and quiet
- ◆ Opening and closing in approximately 8-9 seconds. Add 3 seconds for locking pin

BI FOLDING SPEED GATE RAPIDE VEHICLE PERFORMANCE CLASSIFICATION

MODEL NO.	CERTIFICATION	FOOTING DEPTH
EZI-HVM-BFGR-050	PAS 68 RATING: CRASH TESTED TO 7.5T (N3) @ 50 MPH PAS 68:2010 V/7500(N3)/80/90:0.7/0.0	400 MM
EZI-HVM-BFGR-040	PAS 68 RATING: CRASH TESTED TO 7.5T (N2) @ 40 MPH PAS 68:2010 V/7500(N2)/64/90:0.8/0.0	400 MM

SECURITY SOLUTION WITH LOWEST PENETRATION IN ITS CLASS





SWING GATE LOCKDOWN

SPECIAL FEATURES

- ◆ Eagle Fibre technology
- ◆ Very low penetration
- ◆ Shallow foundation
- ◆ Tested at 8m clear opening
- ◆ Robust and rigid
- ◆ Can swing in both directions
- ◆ Various designs available



The Ezi Security Systems Lockdown gate is a fully removable security posts mean it can be permanently or temporarily deployed. If required, just the closing post or indeed the hanging post could be removed.

The Lockdown gate is specifically designed as a manual gate for openings up to 8m. The gate can be constructed in sections, allowing the system to be easily shipped and built on site. Our in house design team with CAD technology can develop a system bespoke to your requirements.

Key Features

- ◆ The Eagle Lockdown gate is the latest addition to the Eagle portfolio of crash tested products.
- ◆ Fully removable posts mean it can be permanently or temporarily deployed. If required, just the closing post or indeed the hanging post could be removed from its socket
- ◆ Can be removed and reinstated in fifteen minutes with the correct lifting equipment

SWING GATE LOCKDOWN VEHICLE PERFORMANCE CLASSIFICATION		
MODEL NO.	CERTIFICATION	PRODUCT NAME
EZI-HVM-SGLG-050	TESTED ON A 1.5T CAR (M1) AT 80KPH (50MPH) IWA 14-1:2013 CLASSIFICATION: V/1500[M1]/80/90:1	400 MM
EZI-HVM-SGLG-040	TESTED ON A 7.2T TRUCK (N2A) AT 64KPH (40MPH) IWA 14-1:2013:GATEV/7200[N2A]/64/90:0.9	400 MM
EZI-HVM-SGLG-040	TESTED ON A 7.2T TRUCK (N2A) AT 64KPH (40MPH) IWA 14-1:2013:GATEV/7200[N2A]/64/90:3.0	

BESPOKE SOLUTION WITH GUARANTEED BLOCKING EFFECT



VERTICAL LIFT LOCKDOWN



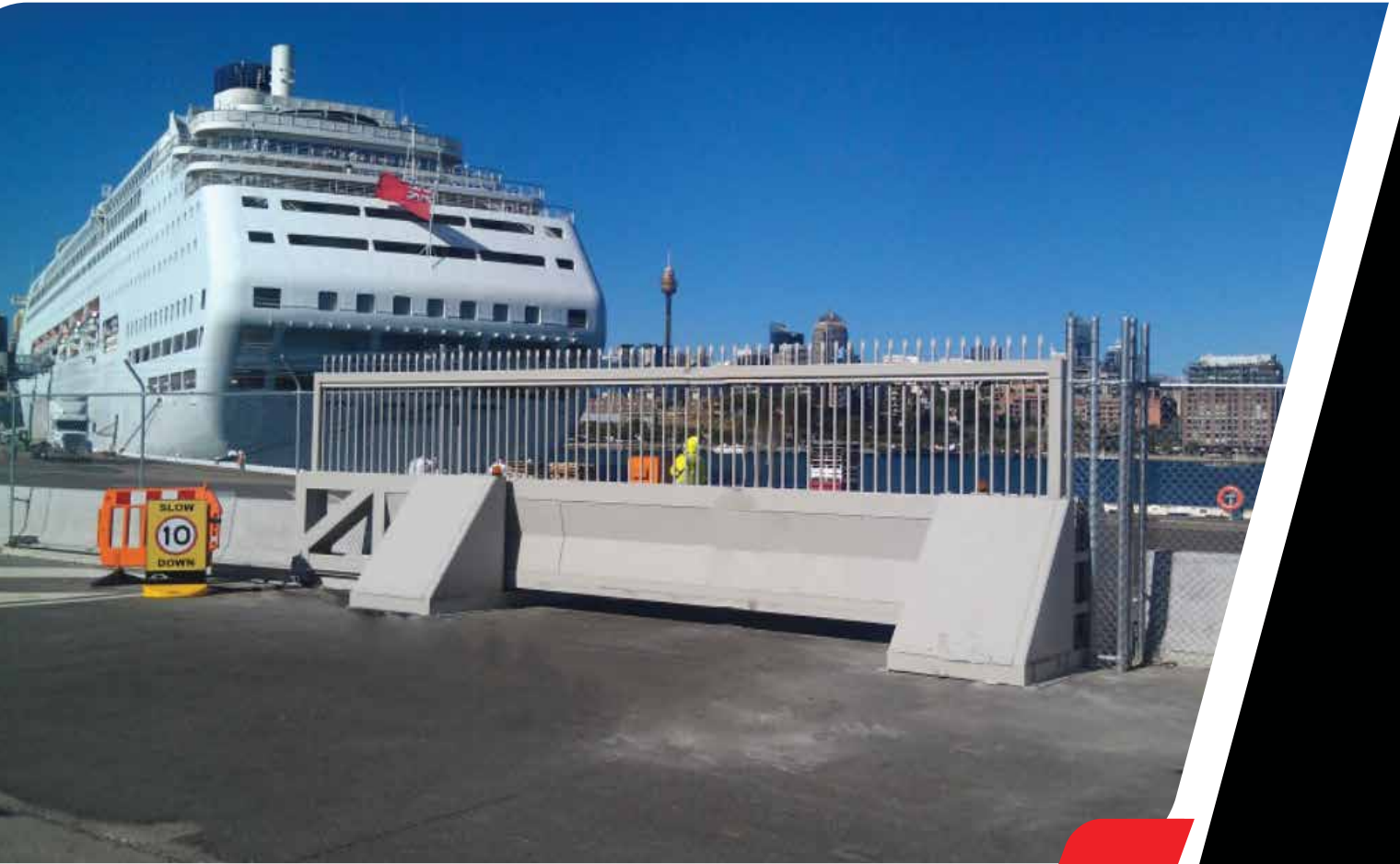
WESTMINSTER LOCKDOWN



MANUAL LOCKDOWN



REMOVABLE LOCKDOWN



TRUCKSTOPPER

A crash tested and proven design the TruckStopper™ and TruckStopper™ RDSM (rapid deployment shallow mount) have both been the subject of rigorous design appraisal and testing regimes by Government agencies in Australia and the UK.

A test in November 2004 of a speeding 7.26 ton truck in NSW proved the absolute effectiveness of the TruckStopper™ gate system. The test vehicle, an ex NSW Fire Truck, was completely stopped within 800mm from a full throttle collision at 67.5kph. As a consequence of this successful test and other system evaluations, the TruckStopper™ gate system has been given SCEC approval by the Australian Government.

A subsequent series of test were also conducted at the TRL Test facility at Crowthorne UK in 2005. These tested the new TruckStopper™ RDSM (rapid deployment shallow mount) gate system. In two tests the gate systems were bolted into shallow concrete only 150mm thick. Both tests were outstanding successes as TruckStopper™ RDSM destroyed a 7.5 ton truck speeding at 82.3kph.

This test was an absolute world first and proved beyond doubt the viability of the rapid deployment capabilities of the TruckStopper™

RDSM system. These successful tests resulted in the UK Government endorsement of the system.

The real beauty of the TruckStopper™ RDSM system is that the gate can be easily moved from one site to another on the back of a truck. Used in conjunction with temporary fencing or barriers, the TruckStopper™ RDSM can be quickly installed to control both traffic and pedestrians for that special event/s or heightened risk scenario.

The TruckStopper™ and TruckStopper™ RDSM systems are fully compatible with all access control systems. The Ezi TruckStopper™ already protects many significant government and private industry assets.

The advanced design and technology of the Ezi TruckStopper™ system, combined with its application flexibility, provides a total solution to all portal security risks.



The Ezi TruckStopper™ and TruckStopper™ RDSM (Rapid Deployment Shallow Mount) are gate systems specifically designed to stop all threats, from pedestrians to ramming vehicle. It has true bi directional impact protection and is therefore ideal for all critical infrastructure applications.

This security system is capable of high speed opening and closing times with unrivalled reliability. Accordingly, the Ezi TruckStopper™ is capable of variable opening and closing speeds of up to 1.5 metres per second.

All mechanicals and electronics are above ground for ease of installation, maintenance and reliability under all conditions. Its state of the art electronics provide a true 100% duty cycle product with reliability through proven industrial quality components, PLC (programmable logic control), and UPS (uninterrupted power supply) as a back-up.

All TruckStopper™ gates have an array of sophisticated safety devices designed to protect people and vehicles.

These safety systems will affect a complete stop within 300mm from full speed operation. However, the safety system can be immediately overridden in the event of an emergency by the use of a button, switch or joystick control.

TruckStopper™ is of a modular design comprising of two buttresses, back rail and battering ram (gate frame). The main support and rolling

platform is well balanced and provides smooth and efficient operations. The drive buttress access door has various anti tamper controls installed and has a SCEC approved lock for added confidence and security.

The flexibility of the TruckStopper™ design allows it to be modified to cater for specific top of gate requirements, such as electric fence applications, anti pedestrian/climbing barriers, and walls of up to four metres in height. The TruckStopper™ may also be utilised as a stand alone anti vehicle barrier and ideal for sanitation portal protection, with or without top of gate barriers.

Another significant benefit of the Ezi TruckStopper™ is that all footing and civil works are performed off the road thereby avoiding roadway closures which can be inconvenient and costly to your business. Indeed, being a cantilever design, the system is unaffected by road crowns, kerbs or falls for drainage on roads.

SWING GATE LOCKDOWN VEHICLE PERFORMANCE CLASSIFICATION		
MODEL NO.	CERTIFICATION	FOOTING DEPTH
EZI-HVM-TSG-040	PAS 68 V/7500/64/90:0.5/7.5	300 MM

AUSTRALIA AND UK CRASH TESTED CERTIFIED





TRACKED GATE M50

SPECIAL FEATURES

- ◆ Designed to stop all threats
- ◆ Despite its massive construction, it also features an extremely flat foundation
- ◆ Adaptable to height requires
- ◆ Fitted with anti-climbing devices
- ◆ Flexible to comply with site specific requirements
- ◆ Proven and tested to sop hostile vehicle attack
- ◆ High speed opening and closing times
- ◆ High tensile steel that offers reliable operation and low maintenance



The unique design of the Tracked Gate M50 affords impact protection and is therefore ideal for all critical infrastructure applications ranging from correctional facilities, critical defence sites, courts, airports, refineries, embassies and many other designated high risk areas.

“THE GATE BOASTS A TRACKED DESIGN WITH UNRIVALLED RELIABILITY AND HIGH SPEED OPENING AND CLOSING TIMES THAT ARE IMPOSSIBLE TO ACHIEVE WITH OTHER DRIVE PRINCIPLES”

The Tracked Gate M50 can be adapted in height and fitted with anti-climbing devices to comply with site-specific requirements. It can be utilised as anti vehicle barrier. The Tracked Gate M50 has been the subject of rigorous design appraisal and testing regimes by Government agencies in the United States. It has been successfully crash tested according to ASTM F2656-07 and PAS 68.

The Tracked Gate M50 system is fully compatible with all access control systems and its advanced design and technology combined with its application flexibility, provides a total solution for all perimeter security access points vulnerable to hostile vehicle attacks.

Advantages of the elkosta Tracked Gate M50

- ◆ Up to 7000mm clear widths
- ◆ Up to 3000mm height
- ◆ Shallow foundation 400mm deep
- ◆ Top edge foundation 100 mm below finished floor level

TRACKED GATE M50 VEHICLE PERFORMANCE CLASSIFICATION		
MODEL NO.	CERTIFICATION	FOOTING DEPTH
EZI-HVM-TG-050	ASTM F2656-07 M50/P1 tested with 7m CWO PAS 68 V/7500[N3]/80/90:0.0/4.3 tested with 7 m CWO	400 MM

HIGH SPEED OPENING AND APPLICATION FLEXIBILITY





EZI BOOM GATES

The Ezi Boom Gate system is specifically designed as a true industrial quality product. Whether it's to regulate traffic, warn of danger or to implement traffic calming, the Ezi Boom gate provides reliable and trouble free performance.

With a quality torque drive motor/gearbox and state of the art electronics the Ezi Boom gates offer a true 100% duty cycle product.

Our logic control, through the use of a true PLC, offers high performance and reliability through the use of Ezi's proven software programming expertise. This PLC system also allows for special and auxiliary features to be added without major parts redundancy. For example, traffic light

controls, flashing and audible warnings and indeed full compatibility with all access control systems.

All Ezi Boom gates are of robust design and constructed in stainless steel and powder coat painted. This is done to overcome extreme corrosive environments and give longevity to the working life of the product.

Of course access to our cabinets is via a secure and lockable cabinet door that provides serviceability and access to electronic controls and the torque drive mechanism.



Boom arms are constructed from round aluminium and provide strength with light weight characteristics. For maximum visibility the arms are powder coated white with UV resistant red reflective tape applied to both traffic approach faces for high visibility at night.

The Ezi Boom gatea range offers boom arm lengths of up to 6metres with the gates designed to operate all day, everyday, with barrier raise times from 1 to 6 seconds.

Raise times will vary and are dependant upon the boom arm length and weight. Various optional equipment is also available upon request.

Examples are outlined below:

- ◆ Restricted height arm kits "Articulate" (up to 6 metres)
- ◆ Traffic control lights
- ◆ Illuminated full signs
- ◆ Magnetic lock and end posts
- ◆ Free entry and exit loops systems
- ◆ Validation loop systems
- ◆ Equipment pedestals and protective bollards
- ◆ High visibility boom skirts
- ◆ Coin or token mechanisms
- ◆ Token and coin housings
- ◆ Token & coin collection chutes and safes

"IF YOU ARE LOOKING FOR A DURABLE AND ULTRA RELIABLE BOOM GATE SYSTEM, CONTACT THE EXPERTS AT EZI SYSTEMS"

BOOM GATE	
MODEL NO.	RAISING TIME
EZI-NRP-BG	3 - 5.5 SEC
EZI-NRP-KBG-ALT324KF	UP TO 1 SEC
EZI-NRP-KBG-ALT424K	3-5 SECS
EZI-NRP-KBG-ALT624K	UP TO SECS

DURABLE AND ULTRA RELIABLE





EZI CANTILEVERED SLIDING GATE

The Ezi Cantilevered Sliding Gate system is based on the principles of counter balancing. These systems are designed and engineered to Ezi's exacting calculations and standards with a strong emphasis on safety.

Each Ezi Sliding Gate system comprises the important mechanical modules. The modules consist of the gate main support tower, the gate leaf, the gate back rail and the end post. When bolted together, the main tower and back rail form the main support and rolling platform for the gate leaf. The gate leaf is then attached to this platform with two back cheek plate roller sets. The roller sets, when bolted on, lock the sliding gate leaf within the confines of the gate back rail.

The gate system is then bolted to a concrete footing that has been engineered to provide adequate weight to counter-balance the gate system. The combination of gate design and concrete footing allows the gate to roll out over the relevant road opening, without tipping or

sagging, basically traveling in free air.

Up to 10 metre road widths (for a single gate) are standard within our product range. The Ezi Sliding Gate system needs no road rails, tracks or overhead supports.

Each Ezi Sliding Gate is designed with automation features as standard. An industrial three-phase drive motor, PLC control logic, frequency inverter and proximity sensors are some of the highly advanced products used in Ezi's product range. Each Ezi PLC system allows for special features and auxiliary equipment to be added, this without major parts redundancy, e.g. traffic light controls, card access readers.



Our main support and rolling platform is well balanced and provides smooth and efficient operations. Our standard cantilevered designs operate at variable speeds. These are adjustable to a maximum of 800mm per second of gate travel.

The Ezi Sliding Gate system is not affected by road crowns, kerbs or falls for drainage in roads. All associated works to install an Ezi Sliding Gate system are performed off to the side of the relevant road, thereby avoiding closures, which can be inconvenient and costly to your business.

The Ezi Cantilever Sliding Gate system has no equal in the industrial market place. Each system will perform reliably all day, every day.

"AT EZI, WE BELIEVE SAFETY SHOULD NOT BE AN OPTION. THAT IS WHY OUR SYSTEMS HAVE BEEN FULLY RISK ASSESSED TO BEST STANDARDS"

Our systems have been fully risk assessed to contemporary OH&S standards by an independent authority. Each Ezi Cantilevered Sliding Gate system has an extensive array of safety devices and features which form part of our standard product offering.

Our wealth of knowledge and experience gained over the years has enabled Ezi to evolve and develop this premium product to suit a variety of ever-changing environments. The Cantilevered Sliding Gate systems, as developed by Ezi, are purpose-built for the industrial market place. The key consideration is safety of operation without compromise to security. High levels of performance, aesthetically pleasing design and unrivalled reliability are also a feature.

The high performance and advanced technology built into the Ezi slide gate will ensure reliable operation for many years to come. Ezi boasts a large end-user customer base and continues to provide product and service to Australia's leading corporations.

CANTILEVER SLIDING GATE	
MODEL NO.	FOOTING DEPTH
EZI-NRP-SLG	1200 (W) X 250 (D)

FULLY RISK ASSESSED TO BEST STANDARDS





EntraQuickPU30

ENTRAQUICK PU30 FOLDING GATE

Key Features:

- ◆ Impact resistance proven by vehicle impact simulation
- ◆ Obstruction free passage due to trackless design
- ◆ Fast operating times
- ◆ Easy installation due to pre-assembled drive post and folding leaf
- ◆ unit and factory wired drive and control unit
- ◆ Installation in all climate zones possible
- ◆ Reliable operation and low maintenance
- ◆ Release facility for manual operation during power failure



The Elkosta Quick Folding gate EntraQuick® PU30 is an innovative single leaf bi-folding gate. Unlike traditional access control products - such as sliding gates and barriers - it offers ultimate security for vehicle access points. It provides full height perimeter protection paired with very short operating times as well as impact resistance through its unique self-locking arrestor system.

Self-locking arrestor system

The appeal of the arrestor system lies in its simplicity. The interceptor rod only engages in the catch hooks on the receiving post in the event of a vehicle impact, thereby rendering superfluous any unlocking action normally required prior to gate operation. The arrestor system is designed to prevent forceful entry of a pickup truck travelling at 50 km/h. The gate is designed for continuous operation and is therefore predestined for use at highly frequented locations such as logistic centres or ports

Suited for passage of heavy and large vehicles

The EntraQuick® PU30 boasts a trackless design which impresses not only with exceptional sturdiness, but also with its reliability and low maintenance requirements. It is well suited for passage of

heavy and large trucks as there is no track or locking facilities in the driveway and no top guide rail limiting the passage height. The gate is securely locked in the closed position via a drive mechanism supported by interlocking of gate leaf and receiving post through in-feed roller and reception fork.

Alternative options

EntraQuick® Folding Gate I (Double Leaf) and **EntraQuick® Folding Gate II** (Single and Double Leaf) are both TÜV type-tested quick folding gates with a full-height perimeter protection in closed position. Its trackless design offers unobstructed security for each entry or exit situation. It's fully cantilevered and has been designed with rationality in mind.

ENTRA QUICK FOLDING GATES		
MODEL NO.	DESCRIPTION	FOUNDATION
EZI-HVM-QGFPU30	Impact Resistance proven by vehicle impact simulation PU30/P1	200
EZI-HVM-QGFI	TÜV type-tested quick folding gates EntraQuick® (Double Leaf)	200
EZI-HVM-QGFII	TÜV type-tested quick folding gates EntraQuick® (Single and Double Leaf)	200

TRACKLESS SOLUTION WITH HIGH DEGREE OF SECURITY



EntraQuick I



EntraQuick I



EntraQuick II



EntraQuick II



EZI SWING GATES

The Ezi Swing Gate system is designed and engineered to Ezi's exacting calculations and standards with a strong emphasis on safety.

Each Ezi Swing Gate system comprises the following important mechanical modules. The modules of the gate systems are the hinge support post, the gate leaf and the end post.

Each gate is bolted to a concrete footing that is engineered to provide adequate weight to counter-balance the system. The combination of gate design and concrete footing allows the gate to swing out over the relevant road opening, without tipping or sagging.

Up to 6 metre road widths (for a single gate) are standard within our

product range. 12 metre road coverage is available by utilising our dual gate option. Each Ezi Swing Gate is designed with automation features as standard.

An industrial three-phase drive motor, PLC control logic, frequency inverter and proximity sensors are some of the highly advanced products used in Ezi's product range.

Each Ezi PLC system allows for special features and auxiliary equipment to be added, this without major parts redundancy. For example, traffic light controls and card access readers.



Our main support and bearing platform is well balanced and provides smooth and efficient operations. Each Swing Gate system operates at high speed, with an 8 second opening time. Soft closure and torque control for wind situations is standard with every system.

The Ezi Swing Gate system operates utilising a lever arm assembly connecting the gate leaf directly to our 40mm motor gearbox output shaft. All lever arms are painted safety yellow, with our motor housing being powder-coat painted gloss black.

Every Ezi system has been designed with safety in mind. Our visual and audible warning systems are standard. An array of photo- electric safety cells and vehicle induction loops also form part of the standard product.

The Ezi Swing Gate system is not affected by road crowns, kerbs or falls for drainage in roads. All associated works to install an Ezi Swing Gate system are performed off to the side of the relevant road, thereby avoiding closures which can be inconvenient and costly to your business.

The Ezi Swing Gate system has no equal in the industrial market place. Each system will perform reliably all day, every day.

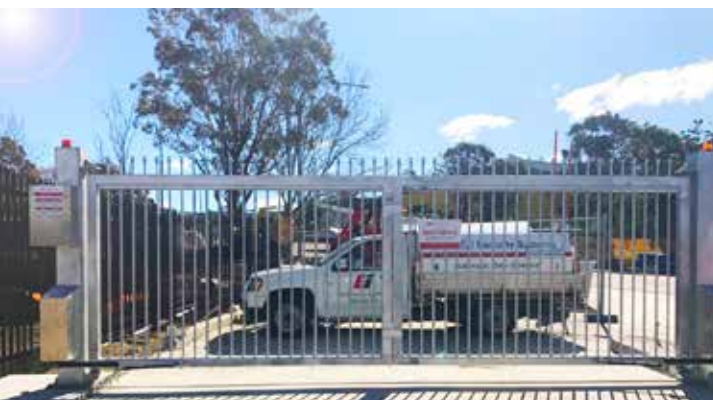
Our wealth of knowledge and experience gained over the years has enabled Ezi to evolve and develop this premium product to suit a variety of ever- changing environments.

The Swing Gate systems, as developed by Ezi, are purpose-built for the industrial market place. The key consideration is safety of operation without compromise to security. High levels of performance, aesthetically pleasing design and unrivalled reliability are also a feature.

The high performance and advanced technology built into each Ezi swing gate will ensure reliable operation for many years to come. Ezi boasts a large end-user customer base and continues to provide product and service to Australia's leading corporations.

SWING GATE	
MODEL NO.	FOOTING DEPTH
EZI-NRP-SWG	1000 X 1000

FAST AND SEAMLESS OPERATION





EZI TURNSTILE

Each turnstile unit is controlled using genuine PLC. This controller is very reliable and utilises proven software programming. The power assist movement of the turnstile column is achieved using a break motor, gearbox and variable speed drive unit. Speed and torque control is adjusted to suit the pace of passage.

Each Ezi turnstiles has an enclosed bulkhead which securely houses the drive systems and associated controls. All Ezi Systems are designed to offer safe and reliable performance all day, everyday.

Features:

- ◆ Low maintenance
- ◆ Easy installation
- ◆ Robust construction
- ◆ Flexibility in finishing options
- ◆ Rotating arms available in STAINLESS steel option



Ezi Turnstile with stainless steel rotating arms



The Ezi Turnstile system is designed to control pedestrian movements within unmanned security locations. This will secure your perimeter from unauthorised use. Each system when combined with access control offers bi-directional pedestrian travel.

A passage frequency of 10-15 people per minute should be considered realistic. Pedestrian movements and timing of such is always dependant on the various types of control devices and their positions.

To overcome peak period flows, additional turnstile units should be considered. The addition of a service access and "disabled person" pedestrian gate may also be necessary.

"OUR TURNSTILES ARE COMMONLY USED ON FENCE LINES BUT CAN ALSO BE MODIFIED AND UTILISED WITHIN BUILDING COMPLEXES"

Various materials and finishes are available to our clients for consideration. These include, standard hot dip galvanised, stainless steel, aluminium and painted versions.

Our turnstile consists of an outer cage and column, with each column designed as 3 wings and 120 degree segmented. The Ezi Turnstile is fully assembled and delivered to site in one piece. Installation is straightforward and can be performed in a timely fashion.

TURNSTILE	
MODEL NO.	FOOTING DEPTH
EZI-NRP-TSL	2000 X 250

HIGH PERFORMING UNMANNED PEDESTRIAN CONTROL





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