EZI TRUCKSTOPPER (PAS68) V/7500/80/90:5.3/2.0

A TOTAL SOLUTION TO ALL PORTAL SECURITY RISKS

The Ezi TruckStopper™ and TruckStopper™ RDSM (Rapid Deployment Shallow Mount) are the ultimate sliding gate systems. Both TruckStopper™ gate systems are specifically designed to stop all threats, from pedestrians to speeding trucks.

The unique design of the TruckStopper™ affords true bi-directional impact protection and is therefore ideal for all critical infrastructure applications. It has obvious applications ranging from correctional facilities, public utilities, administration centres, critical defence sites, courts, customs/border control, airports, refineries and many other designated high risk areas.

Because the TruckStopper™ is essentially a cantilever design, the 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 UP S (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.

Like other Ezi designs, the gate is of a modular design comprising of two buttresses, back rail and battering ram (gate frame). Our main support and rolling platform are 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 is 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.

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 tests 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 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.

EZI TRUCKSTOPPER (BSI PAS68) V/7500/80/90:5.3/2.0

A TOTAL SOLUTION TO ALL PORTAL SECURITY RISKS

STANDARD TECHNICAL SPECIFICATIONS

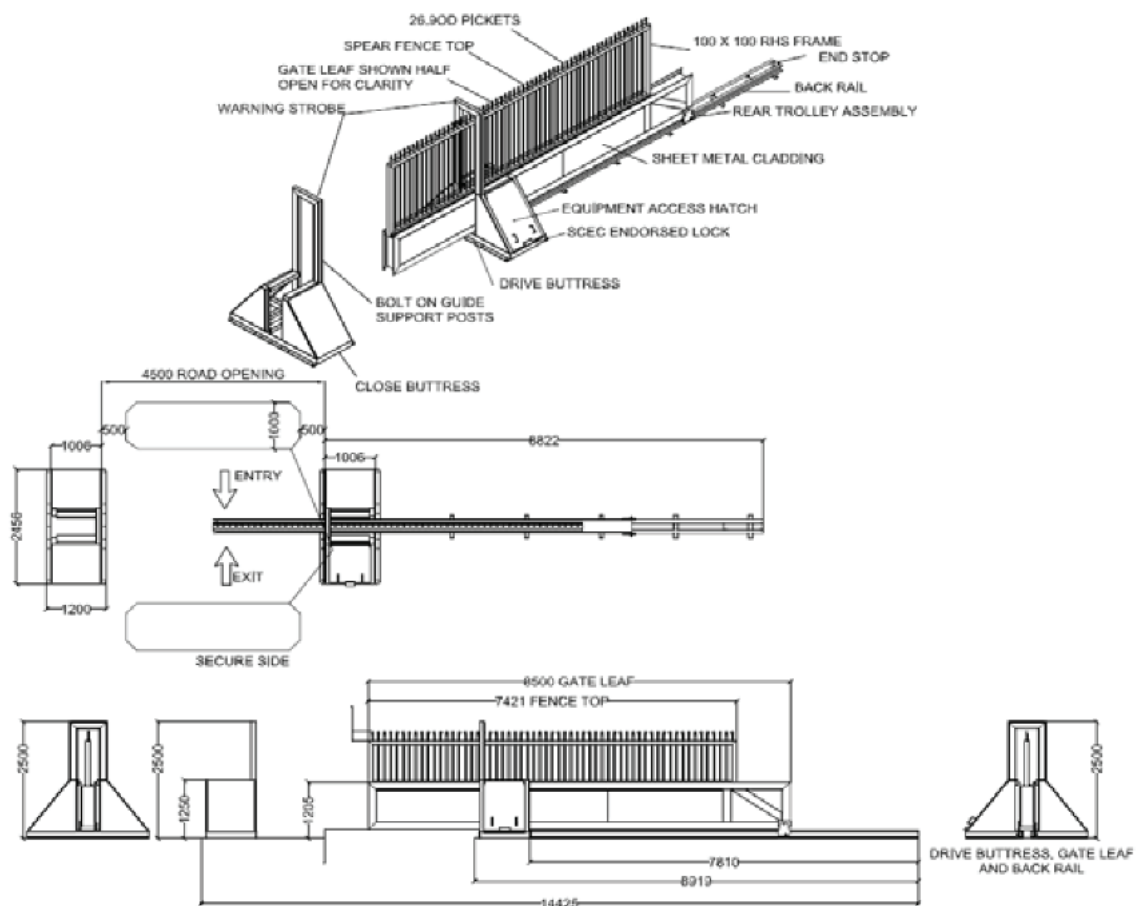|			
Gate width	3 metres to 6 metres (variable)	Main roller	Zinc plated, mild steels (150 ton rated)
Bottom gate height	1015mm standard	Motor release	Bolted bracket
Gate clearance	185mm nominal	Motor	4KW, 240V, three phase brake motor (50Hz)
Top fence height	2000mm	Gearbox	Helical (ratio's variable)
Erected system height	3200mm nominal	Brake	Electromagnetic, 240V power to release
Gate frame	Beam	Drive cog	120mm brass, 100mm wide
Receiver buttress	100mm RHS	Drive rack	50mm sq zinc plated mild steel
Drive buttress	100mm RHS	Control logic	True PLC, 24V DC with expansion unit
Gate buttress height	1200mm nominal	Drive logic	VSD 240V single phase to 240V three phase
Gate buttress cladding	Sheet metal (3.0mm)	Power supply	Regulated 240V to 24V DC
Gate buttress length	2460mm	Control enclosure	IP56, mild steel, painted, 700 x 500 x 250
Gate buttress width	1200mm	Position sensing	Proximity sensors, NPN 24V DC
Access door	5.0mm sheet metal gas strut	Safety (pedestrian)	Photo beam set (transmit and receiver type)
Gate back rail	Twin 150 C Channels	Safety (vehicle)	Inductive loops & detectors, 24v DC, fail safe
Gate finish	Sand blasted 2 pack painted to clients requested	Gate duty cycle	True 100% cycling as per Ezi's standard
Gate bearings	Fully sealed, 40t rating each	Power requirement	240V, 32 amp supply
Guide rollers	Black PVC nylon	Strobe light	Orange, 24V DC
Piezo	24V DC (pulsing) backup power supply UPS up to 20 full cycles		

EZI TRUCKSTOPPER (BSI PAS68) V / 7500 / 80 / 90:5.3 / 2.0

A TOTAL SOLUTION TO ALL PORTAL SECURITY RISKS

STANDARD TECHNICAL DRAWING

- 26.900 PICKETS
- SPEAR FENCE TOP
- GATE LEAF SHOWN HALF OPEN FOR CLARITY
- WARNING STROBE
- 100 X 100 RHS FRAME
- END STOP
- BACK RAIL
- REAR TROLLEY ASSEMBLY
- SHEET METAL CLADDING
- EQUIPMENT ACCESS HATCH
- SCEC ENDORSED LOCK
- DRIVE BUTTRESS
- BOLT ON GUIDE SUPPORT POSTS
- CLOSE BUTTRESS

4500 ROAD OPENING
ENTRY
EXIT
SECURE SIDE

8500 GATE LEAF
7421 FENCE TOP

DRIVE BUTTRESS, GATE LEAF AND BACK RAIL