



## TRUCK IMMOBILISER GATE

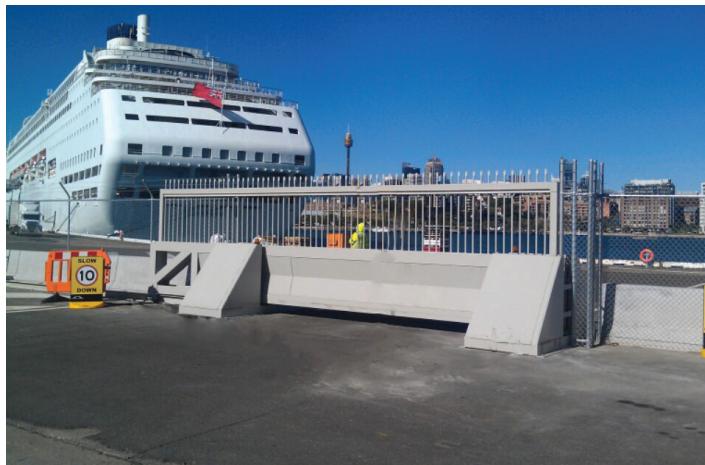


### PRODUCT SUMMARY

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

The unique design of the Truck Immobiliser 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 defense sites, courts, customs/border control, airports, refineries and many other designated high risk areas.

## TRUCK IMMOBILISER GATE



### OPERATION AND SAFETY

Because the Truck Immobiliser is essentially a cantilever design, the system is capable of high speed opening and closing times with unrivaled reliability. Accordingly, the Supamaxx Truck Immobiliser is capable of variable opening and closing speeds of up to 1.5 meters 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 Truck Immobiliser 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 Supamaxx 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.

### SUPAMAXX ADVANTAGE

The flexibility of the Truck Immobiliser 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 Truck Immobiliser may also be utilised as a standalone anti-vehicle barrier and is ideal for sanitation portal protection, with or without top of gate barriers.

Another significant benefit of the Supamaxx Truck Immobiliser 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.

### CRASH TESTED

A crash tested and proven design the Truck Immobiliser and Truck Immobiliser 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 Truck Immobiliser 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 Truck Immobiliser 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 Truck Immobiliser 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 Truck Immobiliser 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 Truck Immobiliser RDSM system. These successful tests resulted in the UK Government endorsement of the system.

### ADVANCED DESIGN

The real beauty of the Truck Immobiliser 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 Truck Immobiliser RDSM can be quickly installed to control both traffic and pedestrians for special event/s or heightened risk scenario. The Truck Immobiliser and Truck Immobiliser RDSM systems are fully compatible with all access control systems. The Supamaxx Truck Immobiliser already protects many significant government and private industry assets.

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

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## STANDARD TECHNICAL SPECIFICATION

PRODUCT	TRUCK IMMOBILISER GATE
<b>Independently tested &amp; approved SCEC approved Australia &amp; PAS 68 approved in U.K.</b>	
GATE WIDTH	3 metres to 6 metres (variable)
BOTTOM GATE HEIGHT	1015mm standard
GATE CLEARANCE	185mm nominal
TOP FENCE HEIGHT	2000mm
ERECTED SYSTEM HEIGHT	3200mm nominal
GATE FRAME	Beam
RECEIVER BUTTERS	100mm RHS
DRIVE BUTTRESS	100mm RHS
GATE BUTTRESS HEIGHT	nominal
GATE BUTTRESS CLADDING	Sheet metal (3.0mm)
GATE BUTTRESS LENGTH	2460mm
GATE BUTTRESS WIDTH	1200mm
ACCESS DOOR	5.0mm sheet metal gas strut assisted
GATE BACK RAIL	Twin 150 C Channels
GATE FINISH	Sand blasted 2 pack painted to client request
GATE BEARINGS	Fully sealed, 40t rating each
GUIDE ROLLERS	Black PVC nylon
MAIN ROLLER	Zinc plated, mild steel (150 ton rated)
MOTOR RELEASE	Bolted bracket
MOTOR	4KW, 240v, three phase brake motor (50hz)
GEARBOX	Helical (ratio's variable)
BRAKE	Electromagnetic, 240v power to release
DRIVE COG	120mm brass, 100mm wide
DRIVE RACK	50mm sq zinc plated mild steel
CONTROL LOGIC	True PLC, 24v DC with expansion unit
DRIVE LOGIC	VSD 240v single phase to 240v three phase
POWER SUPPLY	Regulated 240v to 24v DC
CONTROL ENCLOSURE	IP56, mild steel, painted, 700 x 500 x 250
POSITION SENSING	Proximity sensors, NPN 24v DC
SAFETY (PEDESTRIAN)	Photo beam set (transmit and receiver type)
SAFETY (VEHICLE)	Inductive loops & detectors, 24v DC, fail safe
GATE DUTY CYCLE	True 100% cycling as per Ezi's standard
POWER REQUIREMENT	240v, 32 amp supply
STROBE LIGHT	Orange, 24v DC
PIEZO	24v DC (pulsing) Backup power supply UPS up to 20 full cycles

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