

# The Swing Gate System

Ezi Security manufacture its products where we are able to guarantee optimum quality control  
Ezi Security specialises in the manufacturing, sales, installations and servicing of physical barrier systems to our exacting standards



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 utilizing 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.

e.g. traffic light controls, 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.

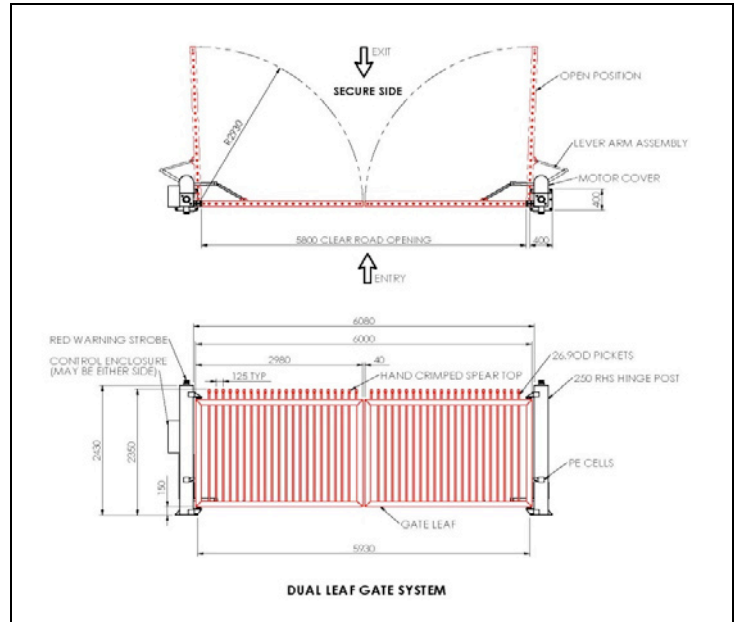
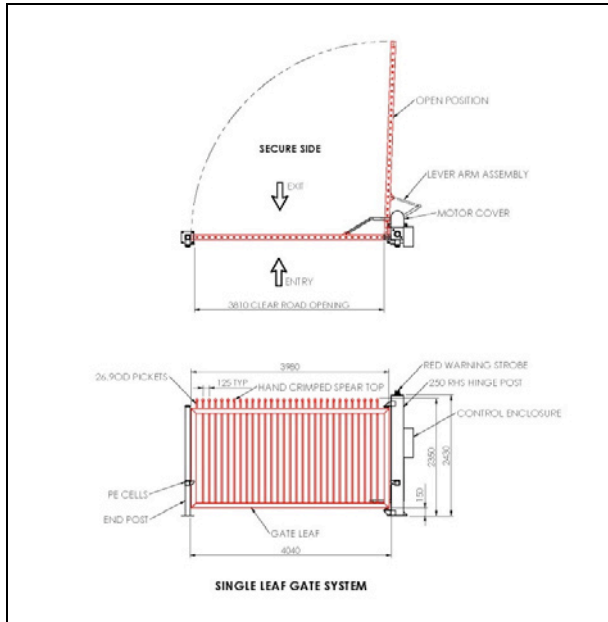
The Ezi swing gate system has no equal in the industrial market place. Each system will perform reliably all day, everyday.

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.

# Technical Data for Standard **Swing Gate**



## Standard Swing Gate Specifications

<b>Gate width (Single leaf)</b>	3 metres to 6 metres (variable)
<b>Gate width (Dual leaf)</b>	3 metres to 12 metres (variable)
<b>Gate height</b>	2200mm standard
<b>Gate clearance</b>	150mm nominal
<b>Gate erected height</b>	2350mm nominal
<b>Gate frame</b>	100mm sq RHS (variable)
<b>Gate end post</b>	100mm sq RHS
<b>Gate end post height</b>	2430mm nominal
<b>Gate hinge post</b>	250mm sq RHS
<b>Gate finish</b>	Hot dip galvanised (optional 2 pack paint)
<b>Gate hinge bearings</b>	Fully sealed and adjustable
<b>Motor release</b>	Motor brake handle
<b>Motor</b>	0.55kw three phase brake motor
<b>Gearbox</b>	Helical (ratio's variable)
<b>Brake</b>	Electromagnetic, 240v power to release
<b>Drive arm</b>	Articulated lever arm
<b>Control logic</b>	True PLC, 24v DC
<b>Drive logic</b>	VSD 240v single phase to 240v three phase
<b>Power supply</b>	Regulated 240v to 24v DC
<b>Control enclosure</b>	IP56, mild steel, painted, 400 x 600 x 200
<b>Position sensing</b>	Proximity sensors, NPN 24v DC
<b>Safety (pedestrian)</b>	Photo electric cells, 24v DC, fail safe
<b>Safety (vehicle)</b>	Inductive loops & detectors, 24v DC, fail safe
<b>Gate duty cycle</b>	True 100% cycling as per Ezi's standard
<b>Power requirement</b>	240v, 15 amp supply
<b>Current draw</b>	4 amp running, 8 amp start up
<b>Strobe light</b>	Red, 24v DC
<b>Piezo</b>	24v DC (pulsing)