SWING GATE SYSTEM

SMART ACCESS SOLUTIONS

Our Swing Gate system is designed and engineered to exacting calculations and standards with a strong emphasis on safety.
Each 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. 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 Swing Gate is designed with automation features as standard.

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

Each PLC system allows for special features and auxiliary equipment to be added, this without major parts redundancy.

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.

Each 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 orange, with our motor housing being powder- coat painted satin black.

Every 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.

All associated works to install our 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.

Our swing gate systems 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.

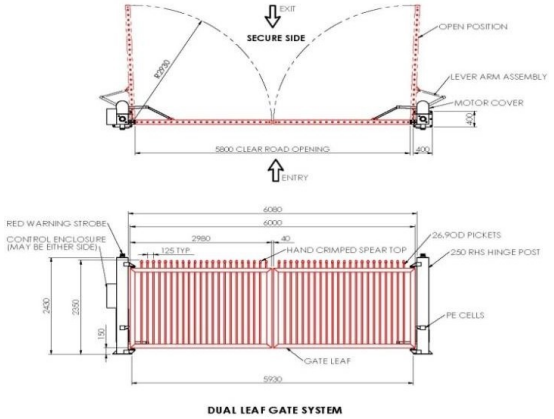
The high performance and advanced technology built into each swing gate will ensure reliable operation for many years to come.

SWING GATE TECHNICAL DATA

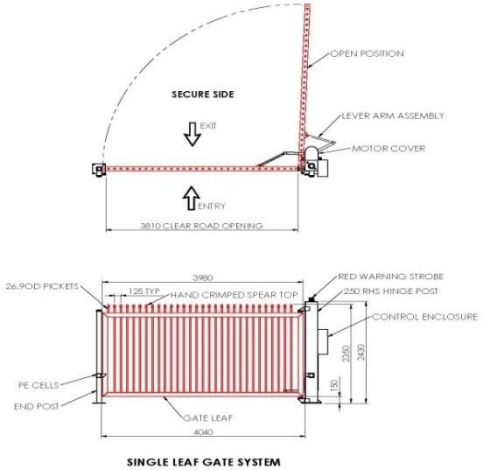
SMART ACCESS SOLUTIONS

Standard Swing Gate Specifications

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



DUAL LEAF GATE SYSTEM



SINGLE LEAF GATE SYSTEM