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# VEHICLE AND PEDESTRIAN CONTROL

Jacksons design and manufacture a wide range of gates in steel, timber or a combination of both to safe guard the continued security of any installation. Regardless of the type of gate, the material used, or whether or not the gate represents a customised response to a problem, all Jacksons gates are galvanised to BS EN 1461 as standard or Jakcured and covered by our 25-year guarantee.

As well as designing and manufacturing gates - both manual and automated - we are able to provide access to our team of expert installers to ensure a professional and legally compliant installation.

The Jacksons access control systems work in conjunction with the operation of our automated products and allow enhanced control over the flow of traffic - either on foot or vehicular - at elected points within the site.

# SWING GATES



## Swing Gates

Supplied as either manual or automated and in a range of sizes with various control options. Our swing gates are available in a choice of different infills in either single or double leaf. Range comprises standard widths up to 10m and heights to 3m for pedestrian and vehicular access (standard ram operators up to 14m double leaf) third rail added if automated.

## Gate Automation Safety

Jacksons automated gates and barriers meet with the essential health and safety requirements and are properly CE marked as required by law. Additionally, the products are designed and engineered to exceed the standards set out in BS EN 12978 and BS EN 12453 in relation to gate safety.

## GATE OPTIONS

- Single leaf
- Double leaf
- Pedestrian or vehicle access
- Manual
- Self closing (soft shut)
- Automated
  - ▶ Underground operator
  - ▶ Ram operator
- Choice of infill



### Single Leaf Gate

HEIGHT (mm)	OPENING (mm)	INFILL OPTIONS
1800 / 2000 / 2500 / 3000	Up to 5000	Vertical Bar / Welded Mesh / Tubular / Bow Top / Acoustic

### Double Leaf Gate

HEIGHT (mm)	OPENING (mm)	INFILL OPTIONS
1800 / 2000 / 2500 / 3000	Up to 10,000	Vertical Bar / Welded Mesh / Tubular / Bow Top / Acoustic

#### FINISHES

- Hot dip galvanised to BS EN ISO 1461 as standard
- Hot dip galvanised and powder coated to BS EN 13438
- Marine coat for installations within 500m of salt water or an estuary

#### STANDARD COLOURS

- Black RAL 9005
- Green RAL 6005
- Other colours are available on request

# SLIDING GATES



## Sliding Gates

Sliding gates are ideal for applications where there is insufficient room for swing gates to open into and where higher security is required. Even where the ground is not level, the cantilever sliding gates run smoothly on nylon wheels, making them surprisingly quiet.

An alternative to cantilever sliding gates is tracked sliding gates, the advantage is that they can span larger opening widths and have a lower profile from the ground, with the gate running along a track set in level ground.

## Gate Automation Safety

Jacksons automated gates and barriers meet with the essential health and safety requirements and are CE marked as required by law. Additionally the products are designed and engineered to exceed the standards set out in BS EN 12978 and BS EN 12453 in relation to gate safety.

### GATE OPTIONS

- Manual
- Automated
- Tracked
- Cantilever
- Telescopic
- Choice of infill

### PORTAL OPTIONS

- Base plated to bolt down onto concrete - as standard
- Overlength set in concrete - optional



### Single Leaf Gate (cantilever)

HEIGHT (mm)	OPENING (mm)	INFILL OPTIONS
1800 / 2000 / 2500 / 3000	Up to 12,000	Vertical Bar / Welded Mesh / Tubular / Bow Top / Acoustic

### Double Leaf Gate (cantilever)

HEIGHT (mm)	OPENING (mm)	INFILL OPTIONS
1800 / 2000 / 2500 / 3000	Up to 24,000	Vertical Bar / Welded Mesh / Tubular / Bow Top / Acoustic

#### FINISHES

- Hot dip galvanised to BS EN ISO 1461 as standard
- Hot dip galvanised and powder coated to BS EN 13438
- Marine coat for installations within 500m of salt water or an estuary

#### STANDARD COLOURS

- Black RAL 9005
- Green RAL 6005
- Other colours are available on request

# BI FOLDING SPEED GATES



The trackless bi-folding speed gate comprises a unique drive mechanism to control the opening and closing of a bi-folding set of gates. The mechanism controls both leaves, producing a smooth and fast action. The design is ideal solution where the speed of opening and closing is essential for the security of the premises or where space may be a premium.

This unique design allows the gate to operate without the use of a bottom or top track thus eliminating any height restrictions and large tracks on the road.

- Very secure with opening and closing in approximately 1m per second
- Hydraulic design, low maintenance with minimal moving parts
- Trackless design, no height restrictions and lower maintenance
- Heavy duty hydraulic ram with PLC controlled slowdown in both opening and closing movement
- Smooth and quiet operation
- Galvanised or galvanised and powder coated

	MAX WIDTH (mm)	POSTS (mm)
Single leaf	4750	200 x 400 RHS
Double leaf	9500	200 x 400 RHS

## APPLICATIONS

- ▶ High security
- ▶ Data centres
- ▶ Utilities

## GATE OPTIONS

- Manual
- Automated
- Vertical bar
- Securi-Mesh®
- Sheeted (one side only)

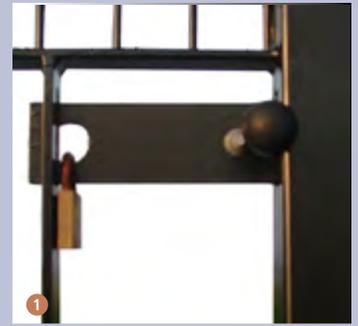
## GATE AUTOMATION SAFETY

Jacksons automated gates and barriers meet with the essential health and safety requirements and are properly CE marked as required by law. Additionally the products are designed and engineered to exceed the standards set out in BS EN 12978 and BS EN 12453 in relation to gate safety.

# MANUAL GATE LOCK OPTIONS

## 1. Standard slide latch

- Slide latch within construction of gate frame
- Slide latch 340mm long x 50 x 10mm
- Light weight option with encapsulated slide latch to prevent finger trapping for light weight or residential application
- Galvanised as standard, can be polyester powder coated to match gate colour



## 2. Option: Key lock

- Key operated
- Easy left or right changing of the self-latching bolt
- Throw of 25mm in one turn of the key
- Deadbolt facility



## 3. Option: Mechanical digital lock for steel gates

- 100% mechanical: No battery or electricity required
- Operational code panel on both sides / 1 sided available
- Possible to work with different entrance and exit codes
- Equipped with aluminium dust and rain covers
- Automatic code reset after opening by means of the handle
- Anti-code detection with integrated security press plate



## 4. Option: Push pad latch

- For areas not accessed by the public where panic is not foreseen
- Suitable for push face outward opening doors
- Non-handed for maximum flexibility



## 5. Option: Electric strike lock

- Extremely strong and user friendly design
- Voltage: 12v AC/DC
- Consumption 1.5A
- Water resistant, weatherproof



## 6. Magnetic Latch

- Uses magnetic technology
- Vertical pull option available
- Extended vertical pull option available
- Side pull option available



# AUTOMATIC GATES CONTROL OPTIONS

## Controlling access to areas

Our access control systems provide the means to control the operation of our automated products, for example to send a signal to open an automated gate to raise or lower a traffic barrier. In addition we also offer a range of additional safety devices that will allow you to augment standard features or tailor your automation and access control to suit a specific application.

## Locks

Magnetic locks are available to ensure your gate is safe from unwanted entry.

## Intercoms

Various designs available - allowing you to hear or see your visitors before they enter. Hardwired or GSM available.

## Keypads and timer controls

Authorised visitors can have access to and from your property by a dedicated code. Alternatively, a timer can be added to allow your gate or barrier to be left open at certain times of the day.

## Other options

- ANPR Cameras available
- Card reading systems (Stand alone or on-line)

## Safety features on our automated gates can include:

- Safety photocells
- Safety edges
- Manual release
- Flashing warning light
- Finger guards
- IP rated lockable cabinet - powder coated finish as an option
- Magnetic locking
- Safety sensor
- Ground loops

# ROAD BLOCKER

Provides the perfect solution for prevention of unwanted vehicle access in both manned and unmanned vehicle parking areas. The blocker also provides an excellent deterrent against the most determined intruder.

The Road Blocker is manufactured from welded rectangular hollow section frame and durbar top plate it also features an advanced hydraulic power pack to raise and lower the unit smoothly.

**Height:** 340mm / 500mm / 800mm / 1000mm

**Length:** Available in half-width sizes from 2-5 metres

**Power requirement:** Single phase 230v

**Weight capacity:** Maximum 12 tonnes on standard Road Blockers Operation time: 4.0 - 6.0 secs

**Finish:** Galvanised and painted in yellow and black (high visibility)

## Options for access control:

- Keypad
- Proximity cards
- Photo cells
- Voice / Video intercom access
- Token acceptors
- Remote control fobs
- Key switch
- Loop detectors

# SECURITY RAIL

- Ideal for securing parking / garage forecourts
- 60.3 diameter tube
- 2000mm x 850mm above ground (plus 400mm below ground)
- Galvanised as standard
- Optional Polyester Powder Coating



# CAR BAR

- Designed as a parking and traffic control barrier
- Posts can be staggered at intervals to allow pedestrians free access without compromising security
- Internal lockable barrier design to provide security and convenience
- Galvanised as standard
- Optional Polyester Powder Coating



# CRASH BARRIER

- 100 x 100mm rectangular hollow section posts with 1500mm centres
- 1500mm post length (700mm above ground 800mm below ground)
- Galvanised as standard



# MAX HEIGHT BARRIER

- Swing arm height restriction barrier constructed with 150 x 150mm baseplated hanging and slam post
- Available in either single or double configuration
- Single up to 7000mm / double up to 10000mm
- Can be padlocked when the barrier is either open or closed
- Galvanised as standard
- Optional Polyester Powder Coating



# TRAFFIC ARM BARRIER: UP TO 7M



- Arm Lengths up to 7.0 metres
- Single phase supply
- Manual override in case of power failure
- Aluminium housing
- Bottom hanging skirts up to 6.5m
- Top and bottom skirts up to 5m
- 100% duty cycle
- LED Lighting
- PLC controlled

TYPE	
>4M	NOT SUITABLE FOR SKIRTS
>6M	BOTTOM SKIRTS UP TO 5M
>7M	BOTTOM SKIRTS UP TO 6M / UP TO 5M TOP AND BOTTOM

OPENING / CLOSE TIME	DUTY CYCLE	DIMENSIONS (mm)	BOOM DIAMETER (mm)
2 - 6 SECS (ADJUSTABLE)	100%	436 x 433 x 1135	86 x 60 OVAL

## OPTIONS

- Bottom skirt
- Top and bottom skirts
- Boom lights
- Boom locking
- Hold close magnetic locking

## OPTIONS FOR ACCESS CONTROL

- Keypad
- Proximity cards
- Photo cells
- Voice / video intercom access
- Token acceptors
- Remote control fobs
- Key switch
- Loop detectors

# TRAFFIC ARM BARRIER: 7 - 12M



- Manual override in case of power failure
- Powder coated blue/white (RAL 9010/5012)
- Boom with red reflective stripes
- 100% Duty Cycle

TYPE		
>8M	BOTTOM SKIRT >7M / TOP AND BOTTOM > 6M	
>9M	BOTTOM SKIRT > 8M / TOP AND BOTTOM > 6M	
>12M	BOTTOM SKIRT > 10M / TOP AND BOTTOM > 6M	
OPENING / CLOSE TIME	DUTY CYCLE	MAINS SUPPLY
4 - 8.5 SECS (MODEL DEPENDENT)	100%	230V/50Hz

## OPTIONS

- Bottom skirt
- Top and bottom skirts
- Boom lights
- Boom locking
- Hold closed magnetic locks

## OPTIONS FOR ACCESS CONTROL

- Keypad
- Proximity cards
- Photo cells
- Voice / video intercom access
- Token acceptors
- Remote control fobs
- Key switch
- Loop detectors

# KEEPER RISING ARM BARRIER



- Manual operation
- Galvanised to BS EN 1461
- Counterbalanced for ease of operation
- Option of stripes on the barrier arm
- Padlockable

Counterbalanced Rising Arm Barrier up to 6m wide constructed from 100 x 56mm Aluminium section white powder coated arm, 50 x 50mm baseplated slam post and 200 x 100mm baseplated hanging post (100 x 50mm RHS welded together).

Counterbalanced Rising Arm Barrier 6.1m - 7m wide constructed from 60.3mm diameter, 80 x 60mm baseplated slam post and 200 x 200mm baseplated hanging post (100 x 100mm RHS welded together).

## FINISHES

- Hot dip galvanised to BS EN 1461 as standard
- Hot dip galvanised and powder coated to BS EN 13438
- Marine coat for installations within 500m of salt water or estuary

## STANDARD COLOURS

- Black RAL 9005
- Green RAL 6005
- Other colours are available on request

# WARDEN SWING BARRIER



Our Warden Swing Barriers are constructed using 60 x 60mm square hollow section (SHS) with anti-tamper hinges and is padlockable in the open or closed position. Heavy duty option available on request.

- Able to lock by padlock (open and closed position)
- Hold open posts are recommended so you can securely lock the barrier in its open position
- Option of stop or no entry signs available

	WIDTH (mm)	SLAM POST (mm)	HANGING POST (mm)
SINGLE BARRIER	3000 - 8000	80 x 60	100 x 100
	8100 - 9000	80 x 60	150 x 150
DOUBLE BARRIER	5500 - 12,000	80 x 60	100 x 100
	12,200 - 18,000	80 x 60	150 x 150

## POST OPTIONS

- Overlength set in concrete as standard
- Base plated to bolt down onto concrete

## FINISHES

- Hot dip galvanised to BS EN 1461 as standard
- Hot dip galvanised and powder coated to BS EN 13438
- Marine coat for installations within 500m of salt water or estuary

## STANDARD COLOURS

- Black RAL 9005
- Green RAL 6005
- Other colours are available on request

# PEDESTRIAN FULL HEIGHT TURNSTILES



## Pedestrian Full Height Turnstiles

Our range of pedestrian turnstiles are designed for external use and can be used singularly or in pairs for separate entry and exit function.

### Turnstile AGFHT

Full height turnstile is a sleek, contemporary design, as well as a robust, high specification turnstile engineered to exacting standards. Manufactured to the highest quality our heavy duty turnstile is complete in all respects. Designed to give years of continuous use under tough conditions.

- Can be used for bi-directional pedestrian access
- Modular system
- Designed to be installed directly on concrete

TYPE	HEIGHT (mm)	WIDTH (mm)
SINGLE	2336	1800
DOUBLE	2677	1603

## OPTIONS

- LED overhead down lights
- Canopy covers
- Swipe and proximity card readers
- Keypads
- Intercoms
- LED directional flow indicator lights
- Enclosure to incorporate access control devices



### Turnstile JFFHT

The turnstile can be customised with a wide range of access control devices to suit your environment. The unit has been designed so fencing can be installed at any corner of the turnstile.

- Outside frame constructed from steel hollow tube with section
- Frame has been designed to hide cabling - eliminating trunking
- 316-Grade stainless steel turnstile rotor option
- Easily integrates with any access control
- Bi-directional 120 degree stainless steel rotors
- Fail secure operation as standard
- Frame designed to accommodate access control interface
- CE marked unit

HEIGHT (mm)	WIDTH (mm)
2336	1800

### OPTIONS

- Access control interface units - audio messaging system / card reader / push button
- Traffic lights
- Roof lights
- LED directional flow indicator lights
- Fail secure

