Gates and Access Control

A solid line of physical defence will be rendered useless if the gate system selected does not complement the overall fencing solution. 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.

For more information on perimeter fencing call one of our sales advisors on 0800 414343 or visit www.jacksons-security.co.uk

NBS Specification Documents available to download from our website www.jacksons-security.co.uk

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Swing Gates

Gate Automation Safety
Jacksons automated gates and barriers meet with the essential health and safety requirements and are correctly 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.

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.

Gate Options
- Single leaf
- Double leaf
- Pedestrian or vehicle access
- Manual
- Self Closing (soft shut)
- Automated
  - Underground operator
  - In Stile Operator
  - Ram Operator
- Choice of infill

Single Leaf Gate

<table>
<thead>
<tr>
<th>Height mm</th>
<th>Opening mm</th>
<th>Infill Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>1800 / 2000 / 2500 / 3000</td>
<td>Up to 5000</td>
<td>Vertical Bar / Welded Mesh / Tubular / Bow Top / Acoustic</td>
</tr>
</tbody>
</table>

Double Leaf Gate

<table>
<thead>
<tr>
<th>Height mm</th>
<th>Opening mm</th>
<th>Infill Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>1800 / 2000 / 2500 / 3000</td>
<td>Up to 10000</td>
<td>Vertical Bar / Welded Mesh / Tubular / Bow Top / Acoustic</td>
</tr>
</tbody>
</table>
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 sliding gates is tracked sliders. The advantage of these 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 the ground.

Available in a range of standard widths to span up to 24m and in heights to 3m.

**Gate Options**
- Manual
- Tracked
- Automated
- Choice of infill

**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.

**Single Leaf Gate**

<table>
<thead>
<tr>
<th>Height mm</th>
<th>Opening mm</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>1800 / 2000 / 2500 / 3000</td>
<td>Up to 12000</td>
<td>Vertical Bar / Welded Mesh / Tubular / Bow Top / Acoustic</td>
</tr>
</tbody>
</table>

**Double Leaf Gate**

<table>
<thead>
<tr>
<th>Height mm</th>
<th>Width mm</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>1800 / 2000 / 2500 / 3000</td>
<td>Up to 24000</td>
<td>Vertical Bar / Welded Mesh / Tubular / Bow Top / Acoustic</td>
</tr>
</tbody>
</table>
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 converts and controls both leaves, producing a smooth and fast action.

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.

Gate Options

- Manual
- Automated
- Standard design vertical bar
- Securi 358 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.

<table>
<thead>
<tr>
<th>Gates</th>
<th>Max Width mm</th>
<th>Typical Height mm</th>
<th>Posts mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Unit</td>
<td>5000</td>
<td>Up to 3500</td>
<td>200 x 400 RHS</td>
</tr>
<tr>
<td>Bi-Parting Pair</td>
<td>Up to 8000</td>
<td>Up to 3500</td>
<td>200 x 400 RHS</td>
</tr>
</tbody>
</table>
Gate Lock Options

Standard lock for steel gates
- Key operated
- Easy left or right changing of the self-latching bolt
- Throw of 25mm in one turn of the key

Standard mechanical digital lock for steel gates
- 100% mechanical: No battery or electricity required
- Operational code panel on both sides
- 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

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

Standard push pad latch
- For areas not accessed by the public where panic is not foreseen
- Suitable for push face outward opening doors
- Fixings to suit timber or metal doors
- Non-handed for maximum flexibility

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

Mechanical and electronic push button code locks
- Clutched handle
- Free passage option
- Physical Vapour Deposition coated
- Easily reversible
- 10 large (10 x 11mm) indented buttons
Automatic Gate Operators

Underground Operator
Situated at ground level by each gatepost, Underground Operators are ideal for gates up to a maximum of 4m wide per leaf, suitable for residential and commercial applications. When maintenance is necessary the operator can simply be removed from the foundation box without removing the gate leaf.

Hydraulic Ram Operator
Mounted on the gate for applications which demand high performance, and very heavy duty operation for very weighty gates, Jacksons can offer a custom built system to suit. Each system is built to suit individual site requirements.

Safety Glide Operator
The operator is concealed inside of the gate stile - ideally suited to steel vertical bar gates up to 2.5m wide per leaf for light usage applications.

Sliding Gate Operator
Choose from a range of models to cope with commercial automation sliding gates with medium, heavy or extra heavy operators.
Access 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 or close an automated gate or 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.

Photocells
Our safety photocells have an infrared beam which if broken, prevents the gate from closing whilst a vehicle or other obstruction is present.

Locks
A variety of 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.

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.

Standard safety features on our automated gates
- Safety photocells
- Safety edges class 3
- Manual release
- Flashing warning light
- IP rated lockable cabinet - powder coated finish as an option
- Supplied fully CE accredited, conforms to the Machinery Directive 2006/46/EC

[Images of access control options]
Road Blockers

PAS 68 Blockers

- Duty cycle 100%
- Option of remaining raised or lowered in the event of power failure
- Normal operating speed 4-7 seconds
- Axle loadings: will withstand any road going vehicle
- Crash rating V1 ROADBLOCKER / 7500 (N3) 80 / 90 / 0: 14.25

The Road blocker is operated via a heavy duty hydraulic power pack, housed within the cabinet complete with a programmable control system with visual status. Various access controls are available to operate the Roadblocker. Available with the option of an accumulator and push button for Emergency Fast Operation.

### PAS 68 Crash Rated Road Blocker 100% Duty Cycle

<table>
<thead>
<tr>
<th>Height mm</th>
<th>Width mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>1165</td>
<td>4000</td>
</tr>
</tbody>
</table>

### PAS 68 Shallow Mount Road Blocker 100% Duty Cycle

<table>
<thead>
<tr>
<th>Height mm</th>
<th>Width mm</th>
<th>Foundation Depth mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>1050</td>
<td>3000</td>
<td>400</td>
</tr>
</tbody>
</table>

### Non Crash Road Blocker 100% Duty Cycle

<table>
<thead>
<tr>
<th>Height mm</th>
<th>Width mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>340</td>
<td>2000 - 4000</td>
</tr>
<tr>
<td>540</td>
<td>2000 - 5000</td>
</tr>
<tr>
<td>650</td>
<td>2000 - 5000</td>
</tr>
<tr>
<td>800</td>
<td>2000 - 5000</td>
</tr>
<tr>
<td>900</td>
<td>2000 - 5000</td>
</tr>
<tr>
<td>1000</td>
<td>3000 - 6000</td>
</tr>
<tr>
<td>1200</td>
<td>3000 - 6000</td>
</tr>
</tbody>
</table>
Automotive Traffic Arm Barriers

We offer a comprehensive range of traffic and car park barriers with boom lengths of up to 12m. Available in medium and heavy duty versions to cover a multitude of traffic control applications.

**Heavy Duty Barriers 100% Duty Cycle**

<table>
<thead>
<tr>
<th>Span m</th>
<th>Max Operations (1 hr)</th>
<th>Opening Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>≤ 2.5m</td>
<td>750</td>
<td>1.4 secs</td>
</tr>
<tr>
<td>≤ 3.0m</td>
<td>560</td>
<td>2.2 secs</td>
</tr>
<tr>
<td>≤ 4.0m</td>
<td>425</td>
<td>3.2 secs</td>
</tr>
<tr>
<td>≤ 5.0m</td>
<td>360</td>
<td>4.0 secs</td>
</tr>
<tr>
<td>≤ 6.0m</td>
<td>275</td>
<td>5.5 secs</td>
</tr>
<tr>
<td>≤ 8.0m</td>
<td>185</td>
<td>8.4 secs</td>
</tr>
<tr>
<td>≤ 9.0m</td>
<td>180</td>
<td>9.0 secs</td>
</tr>
<tr>
<td>≤ 12.0m</td>
<td>135</td>
<td>12.0 secs</td>
</tr>
</tbody>
</table>

**Medium Duty Barriers 60% Duty Cycle**

<table>
<thead>
<tr>
<th>Span m</th>
<th>Max Operations (1 hr)</th>
<th>Opening Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>≤ 3.0m</td>
<td>240</td>
<td>3.0 secs</td>
</tr>
<tr>
<td>≤ 4.5m</td>
<td>120</td>
<td>6.0 secs</td>
</tr>
<tr>
<td>≤ 6.0m</td>
<td>60</td>
<td>12.0 secs</td>
</tr>
</tbody>
</table>

*Options*
- Bottom skirts
- Top and bottom skirts
- Boom lights
Manual Arm Barriers

Keeper Rising Arm Barrier

Counterbalanced rising arm barrier with a pin for holding barrier open and closed. Available up to 6m wide with an aluminium section white powder coated arm.

- Manual operation
- Galvanised to BS EN 1461
- Two designs; for widths under 6m or for widths over 6m
- Counterbalanced for ease of operation

Warden Swing Barrier

Our Warden Swing Barriers are constructed from 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.

<table>
<thead>
<tr>
<th>Warden Swing Barrier</th>
<th>Posts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width mm</td>
<td>Slam Post mm</td>
</tr>
<tr>
<td>Single Barrier</td>
<td>3000 - 8000</td>
</tr>
<tr>
<td></td>
<td>8100 - 9000</td>
</tr>
<tr>
<td>Double Barrier</td>
<td>5500 - 12000</td>
</tr>
<tr>
<td></td>
<td>12200 - 18000</td>
</tr>
</tbody>
</table>
Turnstiles

Pedestrian 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. In addition, where the application demands we are able to supply and install high security versions.

- Powder coated and galvanised framework
- Bi-directional 120 degree stainless steel rotors
- Indicator lights
- Fail safe operation as standard
- 25-month automation guarantee*  

Options

- Fully stainless steel
- Option to powder coat rotators
- High security 90° rotator option

*subject to a service contract being taken out in the second year.
**Bollards**

Every product is designed with care and is tested by security experts to ensure its capabilities and specifications. We offer a variety of products that are designed and meant to prevent vehicle intrusion into secured compounds.

**Automatic Crash Bollards**

**JF Electro Hydraulic power units**
- Maintenance free
- Completely sealed - no leakages
- All components are in one block

<table>
<thead>
<tr>
<th></th>
<th>JF 02 (K4)</th>
<th>JF 04 (K8)</th>
<th>JF 05 (PAS 68)**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height above road</td>
<td>700mm</td>
<td>750mm</td>
<td>900mm</td>
</tr>
<tr>
<td>Diameter</td>
<td>217mm</td>
<td>270mm</td>
<td>270mm</td>
</tr>
<tr>
<td>Wall thickness</td>
<td>8 / 13mm</td>
<td>20mm</td>
<td>30 / 20mm</td>
</tr>
<tr>
<td>Speed</td>
<td>3 secs</td>
<td>1.5 / 4 sec</td>
<td>1.5 / 4 Sec</td>
</tr>
<tr>
<td>Resistance</td>
<td>6.8ton / 48 Kph</td>
<td>6.8ton / 65 Kph</td>
<td>7.5ton / 85 Kph</td>
</tr>
<tr>
<td>Operation</td>
<td>Hydraulic</td>
<td>Hydraulic</td>
<td>Hydraulic</td>
</tr>
<tr>
<td>Finish</td>
<td>Galvanised / SS*</td>
<td>Galvanised / SS*</td>
<td>Galvanised / SS*</td>
</tr>
<tr>
<td>Options</td>
<td>Heating / LED</td>
<td>Heating / LED</td>
<td>Heating / LED</td>
</tr>
</tbody>
</table>

* Finishes
Standard finish galvanised coating
Stainless steel optional extra

**Classification V/7500(N2)/80/90:7.3/21.4**
### Crash Rated Bollards

<table>
<thead>
<tr>
<th>JF 07</th>
<th>JF 08</th>
<th>JF 09</th>
<th>JF 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lift Assist</td>
<td>Removable</td>
<td>Fixed</td>
<td>Fixed</td>
</tr>
</tbody>
</table>

| Height above road | 600mm | Custom | 600 - 1500mm | 1000mm |
| Diameter | 168mm | Custom | Custom | 273mm |
| Wall thickness | 11mm | Custom | Custom | Custom |
| Speed | 8 secs | - | - | - |
| Resistance | 6.8 ton / 30 Kph | Custom | Custom | 7.5 ton / 80 kph |
| Operation | Manual | Manual | - | Fixed |
| Finish | Galvanised / SS | Galvanised / SS | Galvanised / SS | Galvanised / PPC |
| Crash test | K-4 | K4/K8/PAS 68 | PAS 68 |

* Finishes: Standard finish galvanised coating, Stainless steel optional extra

### Fixed Bollards (non crash rated)

<table>
<thead>
<tr>
<th>Height</th>
<th>1.1m/1.5m</th>
<th>1.1m/1.5m</th>
<th>1.1m/1.5m</th>
<th>0.9m/1.0m/1.2m</th>
<th>1.2m/1.5m</th>
<th>1.5m</th>
<th>1.5m</th>
</tr>
</thead>
<tbody>
<tr>
<td>JF 11</td>
<td>JF 12</td>
<td>JF 13</td>
<td>JF 14</td>
<td>JF 15</td>
<td>JF 16</td>
<td>JF 17</td>
<td>JF 18</td>
</tr>
</tbody>
</table>

- Bollards are supplied galvanised as standard, powder coated at extra cost
- Steel bollards H and J are galvanised and power coated as standard
- Base plated posts available at extra cost
- Non crash rated

Call 0800 41 43 43
**Security Rail**
- Ideal for securing parking / garage forecourts
- 60.3mm diameter tube
- 2.0m wide x 850mm above ground (plus 400 mm below ground)

**Car Bar**
- Designed as a parking and traffic control barrier
- Posts can be staged at intervals to allow pedestrians free access without compromising security
- Internal lockable barrier designed to provide security and convenience

**Crash Barrier**
- 100mm x 100mm RHS posts with centres at 1.5m
- 1.5m post length (700mm above ground 800mm below ground)
- 100mm x 100mm RHS rails

**Car Stop**
- Designed to fold down flush with ground when not in use
- Design includes drainage sump
- Shallow excavation

**Max Hite Barrier**
- Available in either single or double configuration
- Supplied as standard with cross beam coated yellow
- Single up to 7m / Double up to 10m

**Speed Bumps**
- 50mm high ramps 10 to 15mph
- 75mm high ramps 5 to 10mph
**Finishes and Options**

For more information on what options are available for your choice of product, please speak to one of our sales advisors.

**Finish options**

- **Galvanised to BS EN 1461** is our standard finish

- **Powder coated**
The pre-treatment, application and quality management have been inspected and tested by Azko Nobel Powder Coating Ltd and conform to the requirements for Approved Architectural Status. Jacksons Fencing is an approved architectural applicator of Interpon D products conforming to BS EN 13438:2005

- **Marine Coat**
For the following applications:
  - Installations near salt water
  - Where temperatures go below -5°C
  - High sunlight exposure
  - Risk of graffiti - graffiti can be easily wiped off

**Standard powder coating options**

- Black RAL 9005
- Green RAL 6005
- White RAL 9010
- Blue RAL 5010
- Blue BS 20-C-40
- Brown RAL 8017
- Yellow RAL 1018
- Grey RAL 7012
- Red RAL 3020
- Other colours are available on request

**Automation maintenance**

We can offer maintenance contracts for all our automated products.

Under the current Health and Safety requirements you have a legal responsibility to have all powered gates or barriers maintained on a regular basis by a suitably qualified engineer and to keep a proper record. Jacksons Fencing maintenance contracts are specifically designed to cover you under the regulations and ensure you receive the optimum safe performance from your gates or barrier.

For informed advice and more information about our maintenance and services on Jacksons automation and access control please call our automation sales team on **+44 (0) 1233 750 393**

**Is your gate safe?**

Gate Safe has been established to call for tighter guidelines and legislation pertaining to automated gate safety and to prevent any further loss of life.

For more information visit [www.gate-safe.co.uk](http://www.gate-safe.co.uk)