





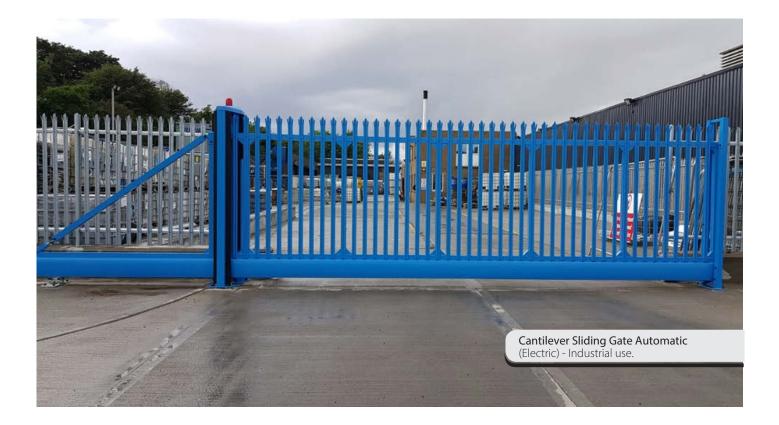


# **Protecting** what's important to you



## **Commercial & Industrial Gates**

Automatic Gates - Manual Gates - Cantilever Sliding Gates - Swing Gates - Bi Folding Gates - Pedestrain Gates - Commercial and industrial use - Manual, Semi & Full Automatic



# Welcome to the Industrail & commercial range of Steel and Aluminium Gates

Arrow supply & fit physical security products and have been protecting properties since 2001

Although often overlooked, securing your property provides peace of mind by protecting the things that matter most to you, whether that's your customers, home and family or your business and consequently your livelihood. With so much choice, choosing a security product that most suits your needs can seem like a daunting task but Arrow Security shutters industry leading products address all requirements and are manufactured, supplied and installed by industry experts who are there to offer advice and guidance beginning with your initial enquiry through to installation and after care.

The emphasis behind our range of gate designs is on integration into your building or land, and way of life; unobtrusive, attractive and easy to use. Proudly manufactured in the UK and installed to complement the look of the building or surrounding areas, all products ensure they are effective and secure in daily use. Contact one of our team today who will be able to offer expert guidance and advice to ensure a tailor made solution.

## All Gate products are:

- Made to measure for a tailor made security solution
- Manufactured in the UK
- CE Marked Investing in a CE marked product means you are purchasing a product that is fully compliant with all European directives
- Designed to integrate security seamlessly
- CAD Drawings Available

## Cantilever Sliding Gate Automatic PF900A (Electric) - Commercial use



#### Product Description PF9000A

Fully automated with a variety of access control options these gates are suitable for a wide range of applications including commercial and industrial. They also offer higher security than rising arm barriers. These Automatic Cantilever Sliding Gates are an ideal solution where space behind the gates is on an incline or restricted This automatic cantilever gate has a manual release mechanism concealed within the lockable housing unit, allowing manual control of the gate in the event of a power failure. To aid in the safety aspect of the automatic cantilevered sliding gate, the portal is fitted with dual-height photo cells and rubber profile safety edges.

#### What I need:

- BS/EN 12453 Compliant
- UKCA Approved
- Delivered fully assembled
- Gearbox and motor pre-fitted within the main tower
- Includes 6 category 3 safety edges
- Complete with 2 sets of safety cells (cable not supplied)
- Factory fitted emergency st op button
- Default speed settings, set to pass a force test
- Manufactured from Hi-grade Aluminium
- Dual Epoxy 2 PAK painted finish
- Includes rear floor mounted support roller
- Pre-fitted programmable controller for access controls
- Requires 230v, single phase, 50HZ, 10 Amps

#### **Customisable Options**

- Opening direction travelling left to right
- Spikes No spikes, Anti-climb spikes or gate top finials
- Infills Palisade, Vertical Bar, 5 Bar, Mesh, Solid sheet, Wood
- ✓ Colours choice of colour from RAL Classic range
- Height Between 1.2 3.0m
- ✓ Width single gate Between 2 12m
- ✓ Width double gate Between 4 -24m

#### Cantilever Sliding Gate

We offer a bespoke service from design to manufacture where we can supply a custom built gate to match existing fencing/surroundings ensuring that the finished product is exactly what is required. For entrances with limited space for swinging open gates or ones that are at an incline, the automatic cantilever sliding gate is an ideal choice. Although sliding gates prices are higher, they offer more access and better security than rising arm barriers. Controlled by a purpose-made programmable logic controller, via an inverter output to a 3-phase motor, the functions of the gate can be configured. This includes such aspects as gate speed, automatic opening times, passage timeout, and free exit loop operating times. Built using high-grade aluminium, the gate can be customised up to a maximum span of 10 metres, drive through, and a maximum height of 3 metres. We offer a variety of infill options including vertical bars, mesh, paladine, and solid aluminium sheeting. The gate can also be painted in corporate colours upon request. We offer a bespoke service for this product to ensure that the final design suits the environment it will be utilised in and the preferences of the client.

#### **Technical Information**

The gate is controlled by a purpose made controller, single phase supply, via an inverter controlled output to a 3 phase motor. This can be configured very easily for all the standard program modes including no passage time outs & free exit and entry loops to name a few.

- Power requirement 230v, single phase, 50Hz, 10 Amps
  - Maximum height 3.0m (3m high max width is 6.0m)
- Duty cycle continuous use
- Steel components Finish Galvanised and colour coated, Aluminium components - colour coated

## PF9000A Specification Sheet





Installation/buildi ng requirements The PF9000 heavy-duty

automatic sliding gate is fully assembled and tested within the production factory, thus minimising the disruption on site. The gate will be delivered ready to be lowered on to the pre-installed concrete plinths.



Dual-height photo cells are fitted as standard, for

safety to pedestrians and vehicles, on all our PF9000 Heavy-Duty Automatic Sliding Gates. A Programmable Logic Controller, operated via an inverter, allows the user to adjust many settings to their individual requirements.

## The PF9000A Automatic Sliding Gate

The PF9000 Automatic Cantilever Gate unique to our brand the PF9000 is a pioneering concept using a simple yet reliable design it uses an external friction drive mechanism.

Where the use of conventional swinging gates are not feasible due to space restrictions, the PF9000 Automatic Cantilevered Sliding Gate is an easy to install and ideal solution.

We offer a bespoke service from design to manufacture where we can supply a custom built gate to match existing fencing / surroundings ensuring that the finished product is exactly what is required.

The standard round tube infill can be replaced by a variety of infill options including D or W profile palisade pales, timber panels, solid sheeting and various mesh panels to integrate perfectly with all fence types.

A Manual Release Mechanism, concealed within the lockable housing unit, is included as standard, allowing manual control of the gate in the event of a power failure. To aid in the safety aspect of the Automatic Cantilevered Sliding Gate the portal is fitted with dual-height photo cells and rubber profile safety edges.

The gate is operated by a Programmable Logic Controller, operated via an inverter, which allows for programming of various parameters like gate speed, passage timeout, automatic opening times, free exit loop operating times etc.

Proximity sensors mounted in the main portal read the moving beam so as to indicate the start and end of the travel cycle.

Towards the back of the gate's opening area a floor mounted support roller handles the weight of the gate in the fully open position.

Anti-climb spikes are fitted as standard to gates over 1500mm high.

EVERY EFFORT HAS BEEN MADE IN PREPARATION OF THIS SHEET HOWEVER WE HOLD NO RESPONSIBILITY FOR ERRORS OR OMISSIONS.

## PF9000A Specification Sheet

#### **Electric Motor:**

400v 50hz 3 phase (Braked Motor) 4 pole IP54 B14 C face mounted Frame size 80 Output power: 0.75kW Current @ 400v: 2.2A Rated speed: 1400rpm Full-load power factor(cos): 0.67 Ts/Tn: 2.5 Is/in: 4.3 DC Brake In (mA): 150 Zo (starts/hour): 15000 Moment of inertia (Jx 10-4 Kgm2): 17.19 Max brake torque (Nm): 18 Net weight 15kg

#### Geared Motor Spec:

Type: Worm & Wheel Overall speed: 200 rpm Max rated torque: 320nm Actual torque: 32nm Gearbox efficiency: 90% Output size: 30mm Mounting position: V5 Angular Backlash: 20' +/- 5' / 0.00582 +/- 0.00145 Lubricated with: Shell Tivela S320 0.48 litres



Don't forget to ask about all the different access control kit that we can supply.

In the majority of scenarios we will pre fit this equipment with your order cutting down the labour time on site. We offer endless combinations of access control.



Remember that we offer a gate that suits all

applications. Our range currently consists of PF9000 Automatic Cantilever Gates, PF9000 Manual Cantilever Gates, PF9200 Manual or Automated Swinging Gates and our PF9500 Automatic Bi-Folding Speed Gates. All have different advantages and niche applications so for the best advice give us a call on:





Specification: CE Approved BS/EN 12453 Dimensions 250mm x 225mm extruded Aluminium beam Infill – 30mm diameter x 6mm Wall thickness **Power Requirement:** 230v, Single Phase, 50Hz, 10 Amps Drive Motor: 0.75KW's - 1.1KW's, 3 Phase Maximum Span: 10 Metres Drive-Through (14.5 Metres overall) Single Leaf Maximum Height 2.4 Metres (maximum width 10.0 metres) 3.0 Metres (maximum width 6.0 metres) Duty Cycle: 100% **Operation Time:** 4 Seconds per metre (Variable) Finish: **Steel Components:**  Shot Blasted · Zinc Phosphate immersion coated Zinc Primer • 2K PU Finish Aluminium Components:

Abraded

• 2K PU Finish



#### Operation:

Friction-driven 3 phase motor via Inverter and Programmable Logic Controller Access Controls:

Proximity Card Readers and Controllers, Keypads, Remote Control Transmitters, Push-Button control Raise/Stop/Lower, Intercom Systems, Video Systems, Token Acceptors, Counting Systems etc.

#### BS/EN 12453 Compliant:

The PF9000 complies with safety features announced under the EU standards and regulations. Six profiled Safety Edges are provided; each consisting of 2 parallel electrically conducted rubber strips. These are connected to the main control panel by two cables, which are concealed within the lower beam, which transmit messages to and from the safety edges. In the unlikely event of a fault, messages will be transmitted to the necessary safety edges instructing the gate to be stopped, regardless of its current operation.

EVERY EFFORT HAS BEEN MADE IN PREPARATION OF THIS SHEET HOWEVER WE HOLD NO RESPONSIBILITY FOR ERRORS OR OMISSIONS.

## Swing Opening Gates - Manual

### Heavy Duty (up to 10m opening)



#### **Product Description**

Our British Manufactured Swing gate is a strong, robust, and durable design great for all access control requirements. Available in a choice of finishes and a range of colours this gate is perfect for car parks, entrances or anywhere similar.

The gate frame is manufactured from square mild steel hollow section and completed with strengthening insert sections for a heavier duty appeal. Our tapered design offers flexibility in all locations especially where there is a gradient at the installation location. All gates are supplied with heavy duty, galvanised adjustable eyebolts, enabling perfect adjustment during installation.

Single leaf gates are complete with a hinge post and latch post to secure your gate in the closed position. The latch post is manufactured with a heavyduty self-locking gate catch with padlock facility, preventing gates from bouncing back out of the latch post. Lock shrouds are available as an optional cost to increase the security of your chosen padlock. Our shrouds are manufactured with heavy duty steel and fabricated around the locking facility to deter the use of tools around the padlock.

As a safety feature, we strongly recommend that you purchase an additional latch back post, so that you can securely lock the gate in its open position, to prevent the gate leaf or gate leaves swinging back into vehicles or pedestrians. This too is manufactured with a self-locking gate catch and padlock facility.

Sunken (concrete in) and surface mounted (bolt down) fixtures are available to suit all requirements however, we recommend concreting in for the most secure solution.

#### Sizes:

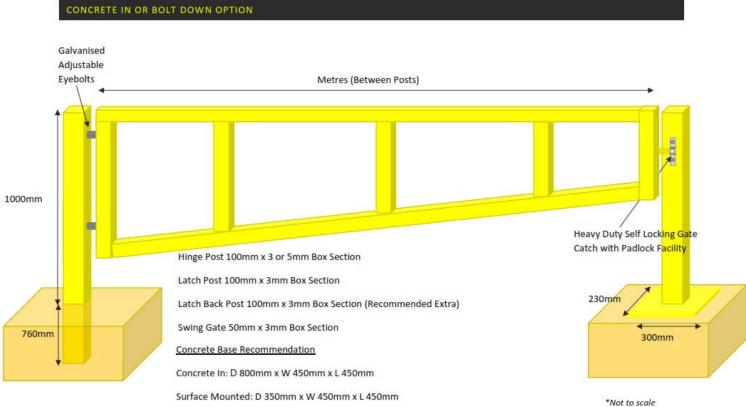
- Hanging post 100mm box section
- Flanged or Ragged for bolt down or concrete in.
- Frame 50mm box section
- Catch post 100mm box section. with self locking catch and padlock facility.

#### Finish Options are:

- Powder coated only Normal lead time usually 7-10 working days
- Galvanised only Normal lead time usually 7 working days.
- ✓ Galvanised and Powder coated (double finish) normal lead time 7 to14 working days



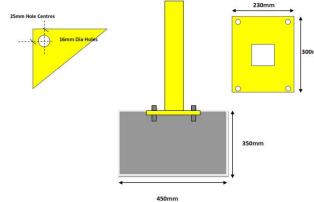
### Swing Opening Gate manual - Installation, Assembly & User Instructions



\*Not to scal

#### Features:

- To restrict the access of vehicles to controlled areas
- The access Gate can be unlocked and opened to allow access to controlled areas or clossed and lolcked rto prevent access
- The gate has a maximum swing of 180 degrees
- ✓ Latch back posts to lock in the open position.



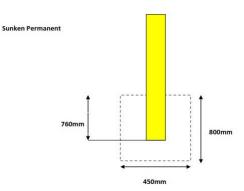
Surface Mounted

#### Installation instructions

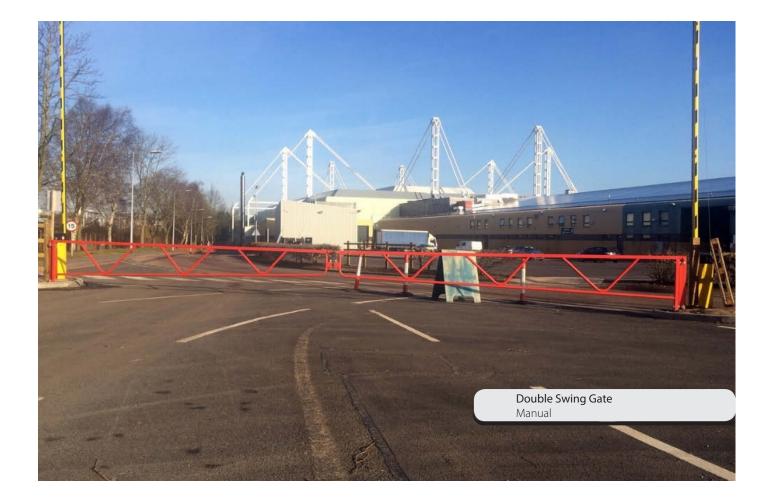
- Determine the position of the installation; consider any change of gradient across the road
- (allow for the swing/arc of the gate)
- If the gate is ragged for casting in, the recommended concrete foundations are 600mm x
- 600mm x 800mm deep.
- If the gate is flanged for bolting down ensure the surface is a suitable, flat, strong concrete. The recommended concrete foundations are 350mm x 350mm x 450mm deep.
- Pre-drill the four holes for the main flange bolts at 320mm centre's
- $\bullet\,$  Locate the main flange holes and bolt down
- Fit the gate over the lugs
- Position the latch post accordingly, mark the bolt hole centre's, then drill in and bolt down

#### Maintenance

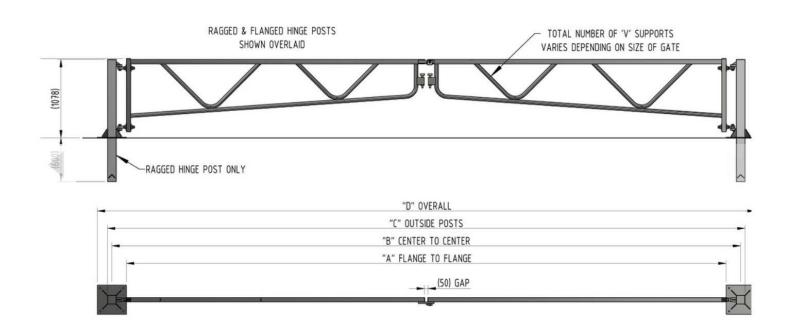
- Occasionally clean all surfaces with soap and water
- Check that the fixing bolts and other visible fixings are suitably tight and have not worked loose
  Check for a bolt
- Check foundations remain firm
- Occasionally apply light oil (WD40 or similar) to the hinge if required



## Your Traffic Management Solved



## Double Swing Gate Manually operated Robust and Reliable



## Swing Opening Gates - Automatic Heavy Duty

Our PF9700D Double Automatic Swing Gates provide a high quality, simple and highly effective solution to protecting your site. They are designed with high security in mind. Our automatic gates use a superior integrated control panel and encoder which allows for a fast, smooth direct drive action. Our automatic swing gates are supplied fully assembled ready for installation and commissioning.

Automatic Swing Gates are the ideal solution where speed of opening and closing is essential or where space is at a premium. Our gates typically opens faster and safer than traditional swinging gates retrofitted with electro or hydraulic actuators.

The PF9700 range utilises a driven integrated frequency converter mounted within the pillar of the gate utilising single phase power, supplying a 3-phase motor, driving a gearbox with a direct-drive shaft connected to the gate leaf, ensuring a smooth and positive movement. Our PF9700 swing gates are rated for 100% duty cycle.

The double gates are pre-configured as master / slaves at the factory to your requirements.

We offer a large range of standard infill options and RAL paint colours. A range of mounting options are available all included in our standard pricing.

We are able to offer infills to match your specification and if these are not on our standard offering please get in touch. A full range of toppings and accessories are available for supply with your bi-folding gates to allow you to complete the installation.

#### Standard infill Options:

- 358 Mesh
- 656 Mesh
- 868 Mesh
- V Mesh
- Vertical Round Bar
- Vertical Diamond Bar
- Palasade Triple Point W Section (Gates over 1.8m high)

#### Catch Options:

- Catch Post
- Birds Mouth
- Floor Mount Centre Stop

## Product

- Description:
- ✓ These Automatic Swing Gates comply with BS/EN 12453 (the current legislation ALL automated gates must comply with.
- We fit as standard a number of safety devices, incuding dual height photocells and category 3 safety edges.
- As standard, they are designed to be cast into the ground when installed but also can be ordered to be bolt down if required.
- The very neat precise housing design accommodates the control panel within the column. This gives a smooth finished appearance unlike other automated systems which often have an additional obtrusive housing.
- ✓ The gates are controlled by a purpose made controller, single phase supply, via an inverter-controlled output to a 3 phase motor. This can be configured very easily for all the standard program modes including no passage time outs & free exit and entry loops to name a few.
- The best feature of the gates is that they are fully assembled ready to bolt down and as soon as they are commissioned, they are fully compliant to all standards. This minimises disruption on site and leaves a quality finished product which will serve you for many years





#### **Optional Extras:**



- Bespoke Toppings
- Extensions

#### **Product Information**

#### Specification

UKCA + CE Approved

#### **Duty Cycle**

100% Heavy Industrial Usage Suitable for Indoor & Outdoor Usage

#### Gate Speed

3 seconds per metre

#### Description

The 9700 Swing Gates are a Plug & Play robust and reliable solution that will serve effortlessly for many years. The 9700 Swing gates are and economical solution compared to the Bi-Folding Swing gates BUT share all the same security, safety and reliability. The 9700 utilises a driven integrated frequency converter, single phase power, supplying a 3 phase motor, worm and wheel gearbox with a direct-drive shaft connected to the gate leaf, which ensures a smooth and positive movement. 9700 Swing gates are rated for 100% duty cycle i.e. continuous operation. A wide range of alternative infills are available to suit customers requirements and to match adjoining fencing design. Also available are spiked tops, warning lights and sirens if required. The gates are supplied with an intelligent and compliant! control board which is mounted in the main pillar of the gate. The 9700 Swing Gates comply with EN 12453:2017+A1:2021. We fit as standard a number of safety devices, including dual height photocells and category 3 safety edges. Our Swing Gates drastically reduce engineer installation time on site meaning this also is a better solution to automating existing gates financially for you and vour customer.

#### Gate Speed

3 seconds per metre (Speed WILL vary dependant upon gate size/Infill etc)

#### **Duty Cycle**

100% Heavy Industrial Usage Suitable for Indoor & Outdoor Usage

## Specification

UKCA + CE Approved

#### **Power Requirements** Single Phase 240v 50Hz 10 Amps

Colours

All RAL Colours Available (Non Standard RAL's Optional Cost)

#### **Maximum Span Dimensions**

Maximum Span Dimensions 10m Clear Drive Through Opening

#### **Maximum Height Dimensions**

2.4 Metres (Max Width 8m) 3.0 Metres (Max Width 6m)

#### Material Construction

Steel construction main tower galvanized and 2 pack coated. The gate leaf will be constructed out of specially designed aluminum extrusions which are 2 pack coated.

#### **Unit Weight**

595Kg Approx (dependant upon gates size and infill type)

\*All gates are bespoke and manufactured to order.

		1	

### Industry Standard

Our gates have been classed as the best in the industry. It has been designed to last using the best materials and components that we can buy. As with all our products they are 100% Duty Cycle.

#### Absolute Control

The 9700 Swing Gates feature a Feig control panel that is far more advanced for safety and motion than its rivals

#### **Key Features**

compat

- - Extensions
    - Anti-Climb Spikes
    - Traffic Lights
- Economical & Great Value
- Fire Alarm Input preconfigured

Ease of installation

Low maintenance

99.9% Access Control

- Designed and built to last
- Easy to use for end users

#### **Optional Extras**

- Razor Wire

- Warning Siren
  - Louvre Infills





## Automatic Bi Folding Speed Gates PF9500D

**Heavy Duty** 

#### **Product Description**

These high security Bi-Folding speed gates are trackless and an ideal solution where speed of opening and closing is essential or where space is at a premium.

Our gates use a superior integrated control panel and encoder which combined with the hinge between the leafs allows for a fast and smooth operation.

These gates typically open at more than twice the speed of an automated swinging gate of the same size which ensures a fast throughput of traffic whilst maintaining security of the site. Supplied as a fully assembled unit with control panel inside the main tower.

- BS/EN 12453 Compliant
- Delivered fully assembled
- Gearbox and motor prefitted within the main tower
- Factory fitted emergency stop button
- Default speed settings, set to pass a force test
- Manufactured from Hi-grade Aluminium
- Dual Epoxy 2 PAK painted Finish
- Pre-fitted programmable control panel
- Requires 230v, Single Phase, 50HZ, 10 Amps
- Factory fitted with category 3 safety edges
- Complete with dual height photocells
- Rated for continuous use

#### **Colour Finish:**

- Black (RAL 9005)
- ✓ Blue (RAL 5012)
- 🗸 Green (RAL 6005)
- 🖌 RED (RAL 3020)
- Siliver (RAL 9006)
- ✓ White (RAL 9016)
- ✓ Yellow (RAL 1021)
- ✓ Other non-standard RAL Colours available

#### Anti-Climb Spike Options:

- Bespoke InfillsSpiked Toppings
- Bespoke ToppingsExtensions

### Infill Options:

- 358 Mesh Horizontal
- 868 Mesh Vertical
- Palisade W Section
- Vertical Bars







## **PF9500D Bi-Folding Gates (Double)**

#### **Product Information**

Specification

**CE** Approved

#### **Duty Cycle**

100% Heavy Industrial Usage Suitable for Indoor & Outdoor Usage

Gate Speed 2 seconds per metre

**Unit Weight** 595Kg Approx

#### Description

The 9500 Bi-Folding Trackless Speed Gates are the ideal solutions where speed of opening and closing is essential or where space is at a premium. The 9500 bi-folding trackless speed gates typically open at more than twice the speed of a traditional swinging gates of the same size which ensures a fast throughput of traffic whilst maintaining security of the site. The 9500 utilises a driven integrated frequency converter, single phase power, supplying a 3 phase motor, worm and wheel gearbox with a direct-drive shaft connected to the gate leaf, which ensures a smooth and positive movement. 9500 speed gates are rated for 100% duty cycle i.e. continuous operation. A wide range of alternative infill's are available to suit customers requirements and to match adjoining fencing design. Also available are spiked tops, warning lights and sirens if required. The gates are supplied with a programmable logic control board which is mounted in the main pillar of the gate. The 9500 Bi-Folding Gates comply with EN 12453:2017+A1:2021. We fit as standard a number of safety devices, including dual height photocells and category 2/3 safety edges.

#### Gate Speed

2 seconds per metre (Speed WILL vary dependant upon gate size/Infill etc)

#### **Duty Cycle**

100% Heavy Industrial Usage Suitable for Indoor & Outdoor Usage

#### Specification

**CE** Approved

#### **Power Requirements**

Single Phase 240v 50Hz 10 Amps

#### Colours

All RAL Colours Available (Non Standard RAL's Optional Cost)

#### **Maximum Span Dimensions**

10m Clear Drive Through Opening

#### **Maximum Height Dimensions** 2.4 Metres (Max Width 10m)

3.0 Metres (Max Width 8m)

#### Material Construction

Steel construction main tower which are shot blasted, zinc primed and 2 pack coated. The gate leaf will be constructed out of specially designed aluminum extrusions which are galvanized and 2 pack coated.

#### **Unit Weight**

595Kg Approx (dependant upon gates size and infill type)

\*All gates are bespoke and manufactured to order.





#### **Industry Standard**

Our gates have been classed as the best in the industry. It has been designed to last using the best materials and components that we can buy. As with all our products they are 100% Duty Cycle

#### Absolute Control

The 9500 Bi-Folding Gates feature a Feig control panel that is far more advanced for safety and motion than its rivals

#### **Key Features**

- Ease of installation
  - Low maintenance
- 99.9% Access Control compat
- Fast operating gates
- Fire Alarm Input pre-
- configured
- Designed and built to last
- Easy to use for end users

#### **Optional Extras**

- Razor Wire Extensions
- Anti-Climb Spikes
- Traffic Lights
- Warning Siren
- **Timber Infills**
- Louvre Infills





Plug + Play Installation

#### Product Description

Popular and a particular favourite with parcel depots, construction sites and manufacturing companies for providing pedestrian access through secure perimeter fence lines.

These Pedestrian gates are suited to many industrial and commercial properties as they can provide a secure and controlled access to restricted areas.

Often combined with pedestrian turnstiles, the automated versions of these gates enable compliance with UK disability and discrimination legislation.

**Manual gates** provide a simple, convenient solution to allowing pedestrian access and, with the locking options, can offer a high level of security.

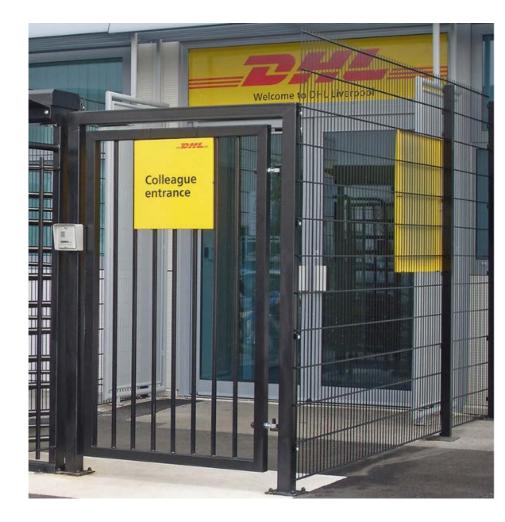
**Semi-automatic gates** have a built in magnetic lock which can be released using a range of access controls (keypads, proximity cards, push button etc.). The self-closing mechanism prevents the gate being left open, providing increased security.

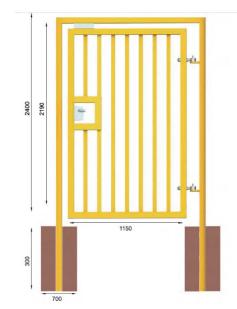
Automatic gates are opened and closed by a motor, triggered by access controls and a fully configurable control panel allowing for full control of the security of your site. These gates come with integrated safety features.

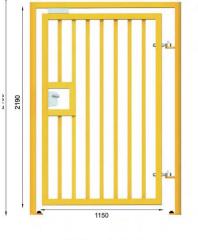
- Width 1.2m as standard
- (Bespoke sizes available on request)
- Height up to 2.4m
- Variety of infills
- Available as manual, semi automatic or automatic
- High quality adjustable hinges

#### Specifications:

- ✓ Fixing Type Bolt down
- 🗸 Frame Material Steel
- ✓ Finish Galvanised prior to Powder coating







Bolt Down (Optional)

## Reasons

## to Choose

## **Arrow Security Shutters**

#### ✓ A name you can trust

When buying a commercial or industrial gate you can be reassured by the values behind the name.

#### Expert Advice

With a local expert on hand you can be confident in choosing s product that suits your needs and provides a seamless finish to your property.

#### ✓ Manufactured in the UK

Using the latest machinery and equipment, all gate products are proudly manufactured and assembled in the UK.

#### ✓ A Solution for everyone

With so much choice Arrow Security Shutters products can accommodate almost any requirement. Whether you need a manual gate or need an automatic gate.

Engineered to perfection Through continuous development and specialist engineering, gate products offer unrivalled quality and the most advanced specifications



**Automatic Gates** 

**Manual Gates** 

**Cantilever Sliding Gates** 

Swing Gates

**Bi - Folding Gates** 

**Pedestrain Gates** 

**Commercial & Industrial Use** 

Manual, Semi & Full

Automatic

## Peace-of-Mind Warranties

All products are guaranteed against defect of material or workmanship by, subject to correct installation, maintenance and operation, for a period of one year from date of purchase.

#### CONTACT US

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