

CAR PARKING

CONTROL EQUIPMENT



MIDLAND BARRIER COMPANY

MANUFACTURERS AND INSTALLERS OF
**ACCESS
AND
TRAFFIC CONTROL EQUIPMENT**



PRODUCTS AND SERVICES

Telephone: 01905 354494
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MBC

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MIDLAND BARRIER COMPANY

Midland Barrier Company - a company dedicated to providing value-for-money solutions to all your vehicle control problems, whether in a parking or security environment. With our in-house design team, our wide range of products, and our proven track record in the design and manufacture of traffic control and security equipment, we can provide you with a cost effective, dedicated system to suit your requirements.

Quality driven in every aspect, we are attentive to our customers' needs. Working in partnership with our clients, we seek to develop long term relationships based upon quality of product design, advice and long term support.

Whatever your requirements are in the parking and traffic control equipment field, Midland Barrier Company have a cost effective solution to suit your needs.

Our products range from non-powered, manually operated items, such as the family of parking and security posts designed to inhibit the unauthorised removal of vehicles and to protect buildings against ram-raiding; manually operated rising security barriers; lane closure gates; height restrictors; and gravity operated directional flow plates, an effective means of controlling traffic exiting from car parks without the need of a powered traffic barrier.

If your requirements are for more automated forms of control, we have a range of traffic barriers, starting with the fast-acting parking unit, followed by the light industrial and then our heavy industrial or security barrier - all being capable of interfacing with the wide range of access control equipment now available: pass card systems; ticket issuing machines; revenue generation equipment; covert CCTV systems; intercoms; inductive vehicle sensing road loops... the list is extensive.

The products outlined are only a small selection of our range. However, as these products are designed and manufactured by ourselves, we are in a position to offer a complete design and build service, tailoring our range of equipment to suit your needs.

All of us at Midland Barrier Company welcome and value your enquiries, and look forward to tendering for your access control and security requirements. We are always available to give advice, based upon over 30 years' experience in the parking equipment industry, which is available to you at the cost of a telephone call.

For further information, please complete and return our Information Enquiry Sheet, or see our web site at www.midlandbarrier.co.uk

Midland Barrier Company
102 Victoria Avenue, Off London Road, Worcester, WR5 1ED

Products

Parking Barriers ~ Manual Barriers ~ Security Barriers ~ Rising Parking Kerbs and Bollards ~ Turnstiles and Pedestrian Control Gates ~ Parking and Security Posts ~ Bollards ~ Directional Flow Plates ~ Ticket Issuing Machines ~ Signs and Wheel Clamps ~ Height Restrictors ~ Access Control Equipment ~ Road Safety Barriers ~ Kiosks and Modular Buildings ~ Barrier Accessories ~ and more...

Services

Ground Works ~ Installations ~ Maintenance and Servicing ~ Repairs ~ Bespoke Equipment

We operate an ongoing product development policy and reserve the right to change specifications without notice.

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PARKING BARRIER (MBC 2400 SERIES)

The MBC 2400 parking barrier is packed with design features that stem from over 30 years' experience in design and manufacturing in the car parking and traffic control industry.

Housed within a robust Zintec steel cabinet, which has a two coat polyester coated finish, ease of service access is provided by a lift off top cover and lockable side door. Contained within the cabinet is the fast acting, virtually silent, sinusoidal electro-mechanical drive mechanism. Utilising a 6 pole T.E.F.C motor specifically designed by CEMAC for high duty cycle parking applications.



This machine offers one of the most comprehensive control systems available, with its custom designed solid state controller. All control signals operate at 24V (safety extra low voltage) with full LED status indicators on all control inputs.



Designed to interface with the complex array of access control equipment available today. This ranges from ticket issuing and cash payment machines, industry standard ISO card swipe or insert readers, intelligent

proximity vehicle identification systems and dynamic radio controllers, right down to simple token mechanisms and push buttons.

For more information, see overleaf.



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PARKING BARRIER (MBC 2400 SERIES)

Control Features:

- Ticket and cash machine interlock
- Barrier position signals
- Security lock up/down
- Second car memory feature
- Barrier arm tip locking feature
- Pass card input
- Fire alarm interface
- Status indicators
- Counter signals
- Safe edge input

Optional Extras:

- Inductive loop detectors
- Infra-red photo beams
- Card and proximity readers
- Ticket issuing machines
- Time clock facilities
- Radio controls
- Digital key pads
- Intercoms
- Cash machines
- Arm shear facility

Standards:

- BS6571 Part 4
- BS.FBA.
- CE compliant

General Details:

Cabinet: 2.5mm Zintec steel. *Colour:* RAL 2008 Traffic Orange as standard. *Boom arm:* 4m maximum, rectangular, 80 x 40mm extruded aluminium, high visibility red on white finish. *Operating time:* 1.5 seconds. *Power:* 230 volts, 4 amps (standby 50VA). *Weight:* 98kgs. *Fixings:* 4 off M12 x 160 (chemical anchors recommended).

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MANUAL BARRIERS AND LANE CLOSURE GATES

Manual Barrier

With its counterweighted mechanism the manual barrier provides the security checkpoint operator with a simple and practical method of controlling vehicle movement.

The Barrier can be in varying lengths of 4, 5, 6, 6.5 and 7 metres.

Lane Closure Gate

Designed as a cost effective solution to provide control over vehicle access into restricted areas. The gate frame, hinge post and lockable catcher post are constructed from heavy duty steel box section, with an extended aluminium box section arm.

Both can be supplied with lockable tips for added security.



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see overleaf.

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MANUAL BARRIER

Features:

- Up to 7 metre clear width opening capability
- Supplied with a padlock
- Hot dipped Galvanising protection to BS729
- Lockable in both raised and lowered positions
- Bolt down base plate fixing to pre-constructed plinths
- White powder coated extended arm (aluminium) with red warning stripes

Options:

- Reflective discs
- Central locking mechanism for dual barriers
- STOP and NO ENTRY signs
- Lockable and adjustable end steady
- Under slung folding skirt
- Pogo style support leg

LANE CLOSURE GATE

Features:

- Clear width opening of up to 8 metres
- Hot dipped Galvanising to BS729
- Supplied with security pin and padlock
- Lockable in both raised and lowered positions
- Bolt down base plate fixing to pre-constructed concrete plinths
- White powder coated extended arm (aluminium) with red warning stripes

Options:

- Reflective discs
- STOP and NO ENTRY signs
- Additional catcher posts for locking gate open
- Wall mounted versions available (please ask for details)

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SECURITY BARRIER (MBC 2700 SERIES)

For security applications requiring a road width greater than four metres, ie. for heavy goods vehicles, or where added safety and security in the form of skirts are required. The heavy duty 2700 series security traffic barrier should meet all your requirements.



With a design that is based upon over 30 years experience in the traffic control industry, it comes packed with a wide range of control features to suit all applications.

Enclosed within the robust Zintec steel housing

is its precision-build cast iron helical worm gear reducer, driven by a special high duty cycle motor, specifically designed for use in the traffic control industry by SEIMEC. The coupling between the gear reducer and the main barrier arm output shaft is via a sinusoidal link arm, which produces a variable speed motion during its operating cycle.



Counterbalancing is provided by either two or four specially produced conical ended extension springs mounted within the enclosure. The main output shaft is supported on a pair of cast iron self lubricating pillow block roller bearings, producing an operating time of under five seconds.



Capable of carrying a seven metre arm in its central arm support yoke with a range of optional features to enhance the safety or security nature of the barrier. Under slung skirts (curtains) up to seven metres in length, with spring loaded end steadies and pogo sticks. Illuminated warning lights mounted on the barrier arm. 'STOP' and 'NO ENTRY' signs. For applications demanding higher levels of security, top and bottom skirts which help to maintain the security fencing line across road openings are available.



DIGITAL KEYPAD

For more information, see overleaf.

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SECURITY BARRIER (MBC 2700 SERIES)

Specification:

- Full access control features
- Maximum arm length 7 metres
- Operating speed 5 seconds
- Fire alarm interlock
- Arm tip lock provision
- High visibility extruded Aluminium arm, white polyester coated
- Supply 230v 50Hz 2.5 amp
- Quiescent power 50 VA
- Rating IP459
- Cabinet colour RAL 2003

Options:

- Spring loaded tip support (end steady)
- Spring loaded arm support (pogo)
- Under slung skirts (curtains)
- Warning lights
- STOP and NO ENTRY signs
- UP and over security skirts
- Industrial grade push buttons
- Arm tip locking mechanism
- Vehicle sensing detectors
- Full range of access control equipment



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RISING PARKING KERBS AND BOLLARDS

For those applications where a conventional rising arm vehicle barrier is deemed to be inappropriate, a suitable alternative can be a rising kerb or bollard. The principle of using a powered steel step buried in the road surface to control the movement of motor vehicles, has been in use in the parking industry since the early 1960s. Designed primarily for use in unmanned high vandal prone areas, its usage has today been extended to include high security risk (terrorist) areas. The rising bollard being a more recent innovation, designed to give the higher vandal resistance offered by a rising kerb, but with a less obstructive appearance.

Rising Kerb

Hydraulically driven from its road side control cabinet, housing its state-of-the-art controller designed specifically for parking applications. Supplied with a set of red/green cast aluminium traffic lights fitted with high impact resistant Polycarbonet lenses. Designed with an adjustable pressure release valve to

control the degree of lift should any vehicle ignore the traffic light sequence and become trapped. Vehicle safety is provided by vehicle sensing loops imbedded in the road surface. The top cover and curved shroud are removable, allowing ease of access to the pit area to perform routine maintenance, and to remove debris likely to block the drainage system. The front panel of the kerb facing the traffic is chevron



marked in yellow and black to give maximum visibility in low light and poor weather conditions. All below ground steel work is protected by a coating of micaceous iron oxide MIO.

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RISING PARKING KERBS AND BOLLARDS

Rising Bollard

The vertically rising post which is hydraulically driven from a road side cabinet, containing its pump, controls and traffic lights. This 200mm diameter post raises in 5 seconds to a height of 800mm, providing an effective alternative to traffic barriers and rising kerbs. Vehicle safety is provided by vehicle sensing loops embedded in the road surface. The rising post is located within a tube that is itself located in a foundation tube, which is cemented into the ground.

Kerb Specification:

- Grade A classification to BS6571/4
- 2 metre wide moving kerb
- 300mm height above road when raised
- Operating speed 2-3 seconds
- Die-cast aluminium traffic signals
- 200mm Polycarbonet lenses
- Electro-hydraulic ram
- Zintec steel control cabinet
- High duty cycle operation
- Adjustable pressure release valve
- MIO protection to sub frame
- 230V 50Hz supply
- Optional anti-vandal traffic light hoods
- Optional 100mm Polycarbonet traffic lights
- Optional manual hand pump, maintain position on power fail

Bollard Specification:

- 230V 50Hz supply
- 200mm diameter post
- 800mm high
- 5 seconds operating time
- Weight of post 160Kg
- Black colour with yellow top band
- Optional traffic lights
- Optional BS and RAL colours



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TURNSTILES AND PEDESTRIAN CONTROL GATES

Midland Barrier Company offer a range of turnstiles designed for internal and external use, from half height units for semi-secure applications to full height external grade security designs. With a selection of 90° rotor units for a higher level of security or 120° rotors for greater accessibility. Available with straight or hooped push bars, galvanised, powder coated paint finishes or stainless steel. Single or double walkway units, free wheel rotation in one direction, internal lights and failed locked or unlocked for security or fire safety applications.



MODEL 6000

As an alternative to turnstiles to control the movement of pedestrians, we can offer a selection of hinged self closing gates. These are available with a range of locking mechanisms from electromechanical bolts or latches, to exterior grade stainless steel high power electromagnetic locks. For details, contact our sales department.



MODEL 6700

To accompany our range of turnstiles and pedestrian gates is a comprehensive selection of access control equipment to maintain the high level of security required. From intercoms for the visitor, to digital keypads, magnetic or infra-red swipe cards, and non-contact proximity cards. For an added level of security for visitors, we can offer a video link back to the security control centre or reception desk.



For more information, see overleaf.



MODEL 6500

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TURNSTILES AND PEDESTRIAN CONTROL GATES

Model 6000: Full height exterior grade turnstile

Model 6500: Half height exterior grade turnstile

Model 6700: Half height interior grade turnstile



Turnstile Options:

Turnstile Model	6000	6500	6700
Full Height	✓		
Half Height		✓	✓
90° Rotor Arm	✓	✓	
120° Rotor Arm	✓		✓
Hooped Push Bars	✓	✓	
Straight Push Bars	✓		✓
Single Walkway	✓	✓	✓
Double Walkway	✓		
Free Wheel One Direction	✓	✓	✓
Internal Down Light	✓		
Galvanised Finish	✓		
Galvanised Pre-finish	✓		
Stainless Steel	✓	✓	✓

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PARKING AND SECURITY POSTS

Midland Barrier Company offer a huge variety of posts to aid parking restriction and security access in collapsible, removable and telescopic ranges, many of which may be locked in position.

Collapsible Posts

Standfast Collapsible Post (Padlock Type): A popular post designed to restrict access to car parking spaces, office forecourts, etc. The post is manufactured from mild steel and the cast aluminium base enables it to be locked in both horizontal and vertical positions by using a padlock located at the base. Price: £45.00 ex VAT. Delivery Extra.



Key Operated Standfast Post: Ideal for reserving individual car parking spaces, and to restrict access into driveways.

Only key holders can release the post from its upright position. The post is also lockable in the down position. Price: £80.00 ex VAT. Delivery Extra.

Heavyweight Padlock Post: A larger version of the standfast post, but with a larger box section and a padlock on top, introduced to fulfil a role where a heavier duty post is required, and where bending down may be a problem.

Triangular Collapsible Parking Barrier: An entirely new type of car space reservation barrier, designed to fold completely flat when not in use. Vehicles can drive over it without damage to either. The barrier can be locked in upright or down positions.

Li-Flat Collapsible Post: This ever-popular post is designed to be fitted either as a floor mounted unit or set into the ground so that when collapsed there is no obstruction for passing traffic. The post collapses into a trough embedded in concrete.

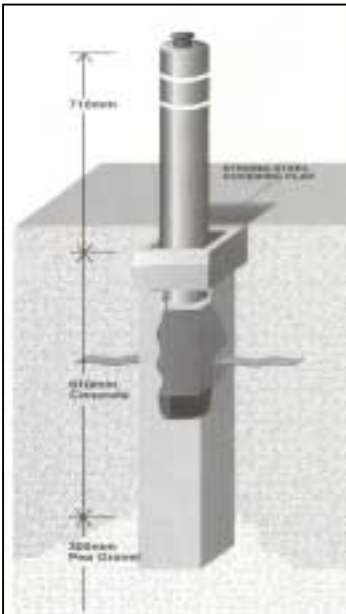
PARKING AND SECURITY POSTS



Removable Posts

Heavyweight Removable Bollard:
A heavy duty post that locates into a socket embedded in concrete. Locked in position by use of the socket flap and a padlock. When the post is removed, the flap can be locked in a closed position.

Round or Square No-Go Posts:
These popular lightweight posts are designed to prevent removal of vehicles or limit unauthorised parking. Ideal for use in private driveways.



Telescopic Posts

“Anti-Ram Raid” Telescopic Post: This effective deterrent helps to protect all types of premises such as shops, stores and warehouses against ramming by vehicles. The device has been approved by both police and local government authorities and is fully respected by insurance companies.

Price: £285.00 ex VAT. Delivery Extra.



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BOLLARDS

Midland Barrier Company offer a wide range of bollards to help provide a simple, secure and cost-effective method of protecting your vehicles and premises or simply controlling access. Strategically located in forecourts, car parks or shop fronts, bollards can provide a day and night deterrent to crime or unauthorised access. Below are just some of the range of bollards we can provide:

Steel Bollards: Suitable for many applications, such as ram-raid deterrence, landscaping, pedestrianisation schemes, property protection and parking control. The steel bollard will not fracture on impact, and is available in a variety of diameters and lengths. They can be adapted to be removable, if required, and manufactured to your own specifications. Steel hooks/eyes can be fitted to allow chains to be attached between bollards.

Removable Bollards
690mm High: £72.50 each.
925mm High: £88.70 each.
1100mm High (inc Handles): £125.50 each.
<i>All prices ex VAT. Delivery extra.</i>

Cast Iron Bollards: Aesthetically pleasing and functional, these are designed to enhance the environment in shopping centres, parks, paved areas, etc. whilst stopping vehicles entering pedestrian areas. The 'Balmoral' Bollard is slightly tapered, may be built in, collapsible or removable, and can be painted on site. The 'Buckingham' Bollard is a top quality product for prestige locations, with a powder coated black finish for lasting protection, and may be fixed or removable.



Ornamental Recycled Plastic Bollards: Constructed from solid recycled plastic, these bollards are durable and very strong. They are impervious to weather and salt laden air, and won't rust, fade or corrode. No painting, preservatives or maintenance is needed, and they can be colour coded with reflective rings. The bollards have a high strength galvanised steel core, and can be concreted on site to provide a ram-raid deterrent.

BOLLARDS

Recycled Traffic Bollards: The increasing use of bollards in pedestrian precincts, walkways, traffic calming schemes and car parks, while desirable architecturally can cause headaches over cost, vandalism and maintenance. These solid recycled plastic bollards are the answer! Elegant, classical and permanent, they demonstrate that you can make the environmentally responsible choice without compromise. The bollards can be colour coded with reflective rings, are durable, very strong, and are impervious to the weather. No painting, preservatives or maintenance will be needed.



Buffer Bollards: These safety bollards are made from impact absorbing recycled rubber. They look substantial due to the density of the rubber material, and are very resilient, yet will 'give' on minor impact and then return to their original vertical positions. They can be fixed below ground or surface mounted, and will not dent, chip or rust and never need painting. Made in two heights, the Buffer Bollard is ideal for car parks where, for example, car doors are opened accidentally onto bollards or where minor parking nudges can occur, or for goods entrances.

Call us for more information.



Buffer Bollards. Concrete In.	
600mm Black:	£158.33
600mm Green/Terracotta:	£169.80
900mm Black:	£179.70
900mm Green/Terracotta:	£191.40
Buffer Bollards. Surface Mounted.	
600mm Black:	£172.50
600mm Green/Terracotta:	£181.20
900mm Black:	£179.70
900mm Green/Terracotta:	£191.40
Class 1 Band (Red, White or Red/White) 76mm x 780mm: £22.00	
<i>All prices ex VAT. Delivery extra.</i>	

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DIRECTIONAL FLOW PLATES

With its simple counterweighted one-way pivoting flap, the collapsible flow plate has, for the last thirty years, provided a simple yet effective method of



directional traffic control for vehicles up to 1½ tons. The robust construction is simple in operation as it is entirely vehicle activated and self returning.

To provide optimum durability and



performance, the unit has been designed with an all-steel fabricated ground box, protected with a bitumen based paint

finish and high load bearing Durbar top plate and pivoting flap. Designed with a pair of heavy duty moulded rubber buffer blocks to minimise noise often associated with flow plates.

We also recommend that a speed ramp is installed ahead of the flow plates to limit traffic movements to 5mph.



The ramps are supplied with an easy to fit fixing pack for road surfaces. These high quality solid rubber speed ramps are purpose designed to provide an effective control, instantly, and without the need for extensive construction or

costly traffic delays.



Adequate signs should also be positioned at the road side, instructing No Entry and appropriate Speed Restrictions.

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DIRECTIONAL FLOW PLATES

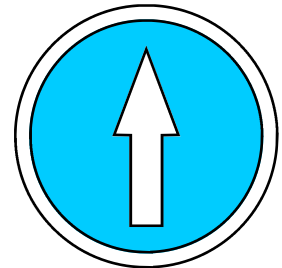
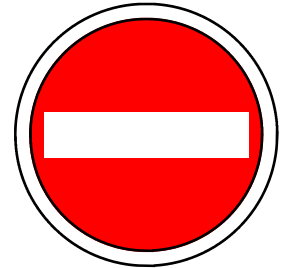
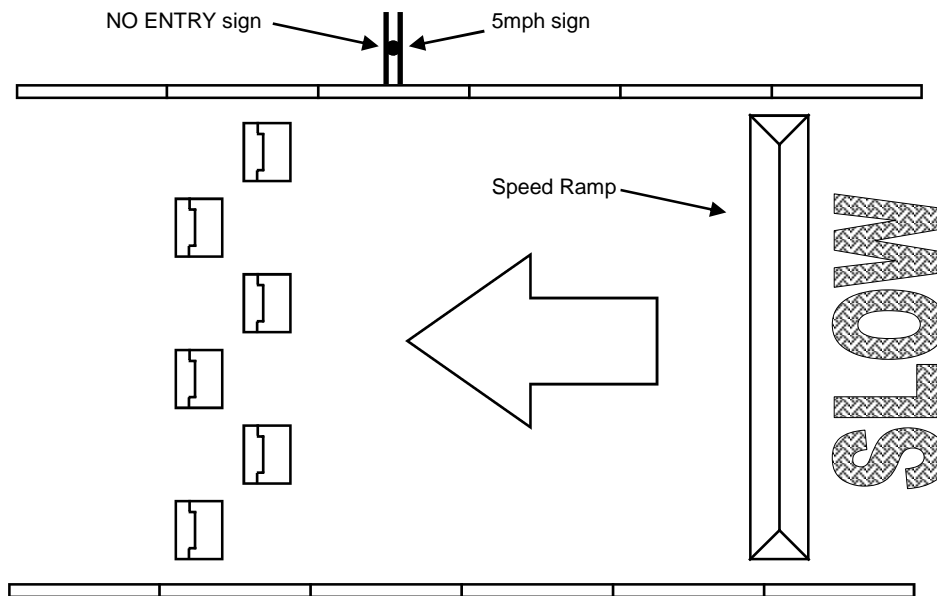
Features:

- Load bearing 10mm anti-slip Durbar plates
- Bearings packed with high grade weather-proof grease
- Heavy steel plate ground boxes
- Treated with bitumastic based protective coating
- Heavy duty rubber buffer to reduce 'clatter'

Options:

- "No Entry" and "5 mph" signs
- Pre-formed bolt down speed ramps

Recommended Layout:



Road Width	No. of Units Required
2.5m	5
3m	6
3.5m	7
4m	8
4.5m	9

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TICKET ISSUING MACHINES

The 5100 series ticket dispenser is designed around a proven ticket printer and issuing mechanism utilising 54 x 100mm fanfold size tickets. Designed specifically for the attendant operated cash till based pay-at-exit car parking system. Providing a variable tariff facility without the high capital cost associated with automatic machine readable technology. Housed within its robust Zintec steel enclosure is its heated ticket magazine and state-of-the-art controller.



Tickets are normally dispensed automatically upon a vehicle being detected by the vehicle sensor positioned in the road surface in front of the machine. In situations involving a pass card system, the inclusion of a ticket issue punch button allows the driver to select whether to request a ticket or the pass card user to insert their access card.

The issuing of tickets is fully interlocked with the barrier arm position and the capacity counting system if one is employed. All tickets are issued with the time, day, date, machine and ticket number printed on them. The issue of a ticket is signalled both audibly and visually by a pulsing tone and illuminated window with the instruction 'Take Ticket' on it.

A 'tickets low' condition is signalled to an external console (optional) to provide a warning. There is also an indicator visible from the front of the machine, warning of the tickets low condition.

For more information, see overleaf.



TICKET ISSUING MACHINES

Space Counting

A capacity counting system (spaces available) is available, along with a range of 'Full', 'Spaces Available' and general parking signs, to give local or remote indication of the status of the car park. This system can be expanded to provide individual floor counting to give motorists advanced warning as to whether spaces are available on the next floor.

Cash Tills

A number of options are available with regards to cash registers. Single or dual printers for journal and tally receipts, operator and customer displays, multiple operator functions, store customer coupon options, etc.

Parking Signs

A wide range of signs can be supplied, from wall mounted information and tariff boards, variable message displays advising of 'spaces available' or warning of a car park 'full' condition, illuminated 'P' for parking signs, etc.

Specification:

- 54 x 100mm / 0.2mm ticket stock
- 4,000 fan fold ticket machine
- Zinc coated steel cabinet
- Printed with time, day, date and ticket serial number
- 3mm print size
- Illuminated 'Take Ticket' sign
- Tickets low warning
- Audio 'Take Ticket' warning
- Heated ticket magazine
- Capacity counting interlock
- 230v 50Hz supply
- All controls 24v DC
- Colour—Orange, Ral 2003

Options:

Wide range of cash tills available. Illuminated Parking signs. Car Park Full signs. Tariff boards. Counting systems.

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Parking Barriers ~ Manual Barriers ~ Security Barriers ~ Rising Parking Kerbs and Bollards ~ Turnstiles and Pedestrian Control Gates ~ Parking and Security Posts ~ Bollards ~ Directional Flow Plates ~ Ticket Issuing Machines ~ Signs and Wheel Clamps ~ Height Restrictors ~ Access Control Equipment ~ Road Safety Barriers ~ Kiosks and Modular Buildings ~ Barrier Accessories ~ and more...

Services

Ground Works ~ Installations ~ Maintenance and Servicing ~ Repairs ~ Bespoke Equipment

We operate an ongoing product development policy and reserve the right to change specifications without notice.

CAR PARKING

CONTROL EQUIPMENT



MIDLAND BARRIER COMPANY

SIGNS AND WHEEL CLAMPS

Midland Barrier Company can provide a wide selection of standard and bespoke signs for informational and directional purposes, and to add security to both residential and business premises.

The text on the signs can read almost anything that is required, but standards are wording such as 'Private Parking', 'Unauthorised Vehicles will be Clamped', 'Release Fee: £50', 'Private Road', etc.

The signs can be either wall or post mounted depending on the requirements of the customer and of the location. We particularly recommend signs if wheel clamps are to be in operation, as this can save many arguments when the clamping has been enforced.

The wheel clamps are designed to fit vehicles from small cars to large vans or small lorries.



These sturdy units fold away compactly for storage purposes, and are fitted with a plate to stop the removal of the vehicle's wheel. They are easy to fit, with a security padlock, and are available in a variety of BS and RAL colours.

Note that wheel clamps can be used on private property, but not on public highways. For more information, see overleaf.



Telephone: 01905 354494
Fax: 01905 356749

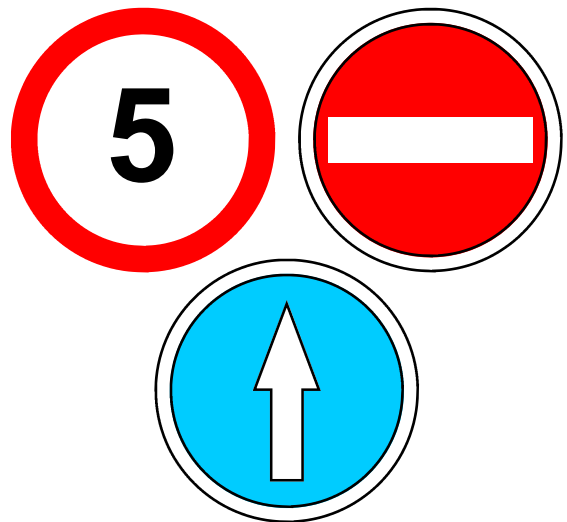
P10

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info@midlandbarrier.co.uk

SIGNS AND WHEEL CLAMPS

The standard size for 'lettered' signs is 900 x 450mm, although this can also be provided in 450 x 450mm size. The sign is usually presented with a yellow background with black edging and text, although a blue background with white writing is also available.

Examples:



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HEIGHT RESTRICTORS

Midland Barrier Company can provide a range of height restrictors, ranging from our simple yet effective Goal Post type, through our hinged version capable of being unlocked and swung out of the way, to custom build units designed to suit your own application.

Both types have a standard height clearance of 2 metres (6.5 feet), which allow normal height cars and vans to pass through without hindrance, whilst stopping service or delivery vehicles from entering the restricted area.

A wide range of traffic signs, posts, caution signs and strike bars are also available to suit your individual requirements.



Goal Post Version

Made from a robust all-steel box section, semi fixed height restrictor with a removable horizontal cross beam capable of being released, allowing service vehicles to gain access to the site.

Hinged Version

This type of height restrictor, which is manufactured from a two-part steel and aluminium construction, allows the horizontal cross beam to be unlocked and swung through 90° thereby permitting unimpeded access to the site.

For more information, see overleaf.



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HEIGHT RESTRICTORS

Goal Post Version Features:

- Surface fixing base plates for ease of site erection
- Highly durable Galvanising finish (BS729), or Red Oxide primed for on-site painting
- Heavy duty 100mm square box section used throughout
- Standard height clearance of 2 metres (6 foot, 6 inches)
- Up to five metres clear with opening
- Supplied with security pin and padlock

Options:

- Ground anchoring version available on request
- Differing heights available
- Hanging strike bars

Hinged Version Features:

- Surface fixing base plates for ease of site erection
- Extruded aluminium cross bar coated with White Polyester coating
- Highly durable Galvanising finish to all steel work (BS729)
- Standard height clearance of 2 metres (6 foot, 6 inches)
- Clear width opening of up to eight metres
- Adjustable hanging strike bar
- Supplied with security padlock

Options:

- Ground anchoring version available on request
- Additional catcher post to lock cross beam in the open position
- Wide range of traffic signs and posts available



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ACCESS CONTROL EQUIPMENT

Access control systems consist primarily of three component parts. The first is the reading technology, part of which is briefly described below. Second is the control system - this can be a simple piece of equipment that will accept or reject the code that is read, or a more sophisticated possibly on-line system that will interrogate the read code against a database to determine the course of action. Finally comes the means of controlling the movement of vehicles or personnel - in the form of a barrier, powered gate, lockable door or gate or a turnstile.



The scope of access control equipment now available is greater than ever. Depending on customer requirements, the choice of system can range from a simple magnetically encoded batch key, or magnetic stripe card readers, through to fully digitalised vehicle registration plate recognition systems. Modern access control systems not only allow car park operators to decide who can use their car parks, but when and for how long. The level of control need not stop at the car park. It is increasingly common today for access control systems to extend to other buildings - providing zoned and time controls, keeping unwanted intruders out, and creating a safer working environment for all personnel.

The heart of any access system is the code number. This can either be a batch code, issued to every person, or individual codes which enable many different control features such as anti-pass back, voiding and validating or manipulation within a database.



Technologies employed include permeable magnetic material and fixed magnets, a technique used in the older and more basic access equipment; ferro magnetic swipe cards, giving read-write capability and non-erasable Watermark cards; and a wide range of non-contact proximity systems, using passive keyfob or cards to provide a read range of 100mm or more. For enhanced reader ranges of several metres, active transponders can be used. Cards and keyfobs using infra-red techniques as well as bar codes are also widely available. For a more basic approach, a digital keypad will normally compare a four digit sequence against a pre-set code. Or maybe an audio intercom with the added possibility of a video link. For occasions where you need to allow visitors or customers to pass through the system only once, the simple issuing of a coin token will enable single time usage.

For more information, see overleaf.

ACCESS CONTROL EQUIPMENT

Midland Barrier Company can provide all of the following pass card and access control systems, and more:

- Magnetically encoded batch code key readers
- Magnetically encoded key readers with void and validating
- Miniature hand held radio transmitters with batch coding
- Miniature hand held radio transmitters with void and validating
- A wide range of magnetic swipe card and key reader systems
- Short to medium range proximity readers (passive)
- Long range proximity readers (active)
- Exterior grade electromagnetic door and pedestrian gate locks
- Vandal resistant digital keypads
- Token acceptor units
- Anti-vandal long range intercoms systems
- CCTV systems
- Inductive loop systems
- SVD systems (selective vehicle detection units)
- Electric door and gate locking mechanisms
- Remote monitoring systems



For more specific information on the access control system you are interested in, please contact us and we will be pleased to advise and help you with your requirements.

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CAR PARKING

CONTROL EQUIPMENT



MIDLAND BARRIER COMPANY

PALISADE GATES, FENCING AND CROWD BARRIERS

Palisade Fencing offers a cost effective and efficient solution to deter crime and vandalism and is designed to provide a formidable barrier. Midland Barrier Company are pleased to offer a product of the highest quality which is recognised by insurance companies, law enforcement agencies and our many loyal customers as providing a secure method of perimeter protection.



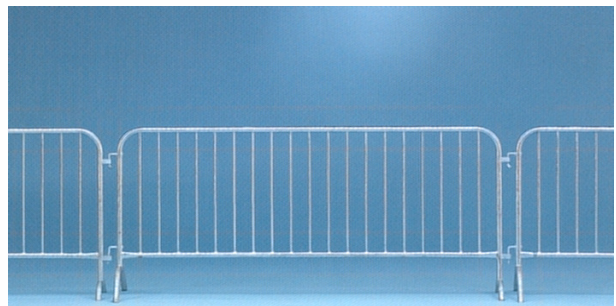
From a low risk perimeter demarcation through to the protection of installations categorised as being of significant strategic importance, we offer a specification for your consideration.

A range of heights from 0.9m to 4.0m are available with a number of optional pale heads to suit a variety of duties.

A wide choice of specifications are available to offer a solution for differing levels of perceived risk. It is a simple task to identify a solution to suit your requirements and our sales department will be pleased to provide advice or to answer your specific queries.

Crowd Control Barriers

These barriers have been designed especially for guiding pedestrians and traffic, demarcation, controlling crowds, keeping out unwanted visitors and for access control.



They are suitable for rapid deployment and are the most cost-effective option for large areas.

They come in two sizes: 2.3m x 1m high and 2.5m x 1.2m high.

Midland Barrier Company can supply these barriers for hire or purchase. They come in one-piece 'hook and eye' design or with a secure coupler. Purchased barriers are available in various colours.

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Fax: 01905 356749

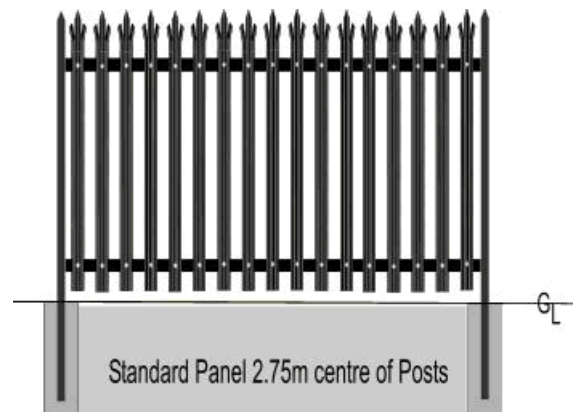
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Construction of Palisade Fencing

A standard palisade fencing panel is constructed from hot and cold rolled steel sections supplied for assembly on site. Panels consist of 17 vertical pales manufactured in 'D' or 'W' profile with a choice of tops. The pales are fixed to rolled steel angle horizontals which are supported by 102 x 44 joist posts.

A fish plate passes through a slot in the post and secures the horizontal rail captive in its position. The pales are connected to the horizontals to form the panel and are held securely together by utilising vandal resistant security fasteners.

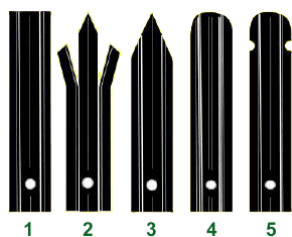


Palisade Fencing is supplied in 2.75m wide standard panels for easy assembly on site. Special panels and posts to step or rake can be supplied if required. Non standard posts for cranking over walls, or base plated for fixing to concrete are also available.

We are pleased to assist you with specific fencing problems or difficult site conditions.

Pale Heads

From the fierce Triple pointed top to the Round head, each top complements a particular requirement to meet a perceived level of security risk. A choice of 'D' or 'W' section is offered with a variety of heads and thicknesses chosen by the risk assessment for a particular site.



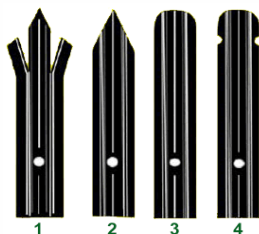
'D' Section Palisade Pale

Three thicknesses:

- 3.00mm - general purpose
- 3.50mm - security purpose
- 4.00mm - special order

Pale Heads:

- Square Top
- Triple Point Top
- Single Point Top
- Round Top
- Round and Notch Top



'W' Section Palisade Pale

Three thicknesses:

- 2.00mm - general purpose
- 2.50mm - security purpose
- 3.00mm - special order

Pale Heads:

- Triple Point Top
- Single Point Top
- Round Top
- Round and Notch Top

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CONTROL EQUIPMENT



MIDLAND BARRIER COMPANY

SERVICES

Ground Works: Midland Barrier Company can carry out any ground works required prior to the installation of any of the equipment we supply. This includes laying ducting for electrical cables; making concrete bases for manual and electric barriers, tip supports or access control equipment that is pedestal mounted; digging out and concreting in place fixed, removable and retractable bollards; concreting in posts for signs and crash barriers, and much more. We aim to provide you with a complete service.

Installation: We can also carry out the installation of any of the equipment we supply, which mainly involves commissioning. This includes things like bolting down equipment into place, or to the appropriate bases already built during the ground works preparation, and connecting all the electrical side of things together, such as the access control equipment to the barrier, or an intercom into an office or gate house, or push button control systems. All electrical equipment obviously has to be connected to the mains supply, and everything is properly tested. We will do whatever is required to get your system up and running, with the minimum of disruption.

Maintenance and Servicing: All equipment is guaranteed for 12 months, but after that we are happy to provide a maintenance program to keep your equipment in good working order and reduce the effects of general wear and tear. We normally recommend two visits per year, where we check the running values (within specified limits) of all the electrical equipment, lubricate the appropriate moving parts and bearings, clean out any rubbish or debris, and generally check that there is nothing happening to the equipment that could cause problems in the long term with the operational efficiency of the system (such as water getting in, or we've even had ant problems before now!).



Repairs: We are happy to attend call outs for the break down of existing equipment and carry out any repairs that are necessary. We can also provide most types of spares required.

Bespoke Equipment: As well as providing off-the-peg systems, we pride ourselves on designing complete solutions specific to the requirements of our customers. Whatever your parking, access or control system requirements, Midland Barrier Company will have a solution. Simply call us at any time, and one of our friendly staff will be pleased to help with your enquiry.

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Fax: 01905 356749

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CAR PARKING

CONTROL EQUIPMENT



MIDLAND BARRIER COMPANY

ORDER FORM

For further information on any of Midland Barrier Company's products and services, please complete the form below:

Products

- | | |
|---|---|
| <input type="checkbox"/> Parking Barriers | <input type="checkbox"/> Bollards |
| <input type="checkbox"/> Manual Barriers | <input type="checkbox"/> Directional Flow Plates |
| <input type="checkbox"/> Lane Closure Gates | <input type="checkbox"/> Ticket Issuing Machines |
| <input type="checkbox"/> Security Barriers | <input type="checkbox"/> Signs and Wheel Clamps |
| <input type="checkbox"/> Rising Parking Kerbs | <input type="checkbox"/> Height Restrictors |
| <input type="checkbox"/> Rising Bollards | <input type="checkbox"/> Access Control Equipment |
| <input type="checkbox"/> Turnstiles | <input type="checkbox"/> Road Safety Barriers |
| <input type="checkbox"/> Pedestrian Control Gates | <input type="checkbox"/> Kiosks and Modular Buildings |
| <input type="checkbox"/> Parking and Security Posts | <input type="checkbox"/> Barrier Accessories |

Services

- | | |
|--|--|
| <input type="checkbox"/> Ground Works | <input type="checkbox"/> Maintenance and Servicing |
| <input type="checkbox"/> Installations | <input type="checkbox"/> Repairs |

Name: _____ Position: _____

Company: _____

Address: _____

_____ Telephone No: _____

Post Code: _____ Fax No: _____

Please post to *Midland Barrier Company, 102 Victoria Avenue, Off London Road, Worcester, WR5 1ED*, or fax to the number shown below.

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Fax: 01905 356749

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