



BARKERS FENCING



PROTECTORGATE RANGE
INTERCEPTOR RANGE
BRISTORM

BARKERS FENCING - High performance perimeter security

Barkers Fencing are a market leading company, manufacturing high performance perimeter security to suit every application.

A first class service.

Barkers Fencing are unique in their approach to perimeter security. Offering a free consultancy and bespoke design service to complement a complete start-to-finish package: On-site manufacturing, galvanizing and a state-of-the-art powder coating plant, plus a team of skilled and experienced professionals whose attention to detail, quality and service is unrivalled in the industry.



Galvanizing - advanced production facilities operate to the latest galvanizing standard, BSENISO 1461, to achieve the highest quality and most reliable galvanized finish.



Powder coating - The very latest digital powder coating technology ensures powder is gently delivered in precise dosing quantities, and then uniformly delivered to achieve a distinctly better spray pattern and a surface finish to the latest BSEN 9002 (2000) Quality Assurance benchmark.



Barkers Fencing's free consultancy and bespoke design service to satisfy unique requirements.



GA GALVANIZERS ASSOCIATION MEMBERS



TO CARD READER (TIF RED'DI)

EXIST LOOP

PROTECTORGATE



“Attack is the best form of defence.”



We think it's Barkers.

Attack may well have been the best form of defence during the First World War when the maxim was coined, but you can only take this option if you know who your attacker is. If you don't know who it is, then the best form of defence has to be protection.

Each Barkers Fencing system in the range is designed and manufactured to satisfy a specific need including: enclosures for sports and recreation, boundary fencing to discourage people from straying on to restricted areas, and an extended range of low, medium, high and maximum-security perimeter solutions.

“And that is why we think the best form of defence is Barkers.”

Gate Security Level		CANTILEVERPOWERED GATES	CANTILEVERMANUAL GATES	POWEREDSWING GATES	MANUALSWING GATES
1	Boundary, demarcation & safety	●	●	●	●
1 to 2	Low to medium risk security	●	●	●	●
2 to 3	Anti-intruder, medium to high security	●	●	●	
3	High security	●			



CANTILEVERGATES - POWERED/MANUAL

PROTECTORGATE Range - Manufactured at the Barkers Fencing Stoke-on-Trent site, the **PROTECTOR** Cantilever Gate range offers an extensive choice of widths and heights with an almost endless array of infills.

Suitable for general applications or high security sites, the **PROTECTORGATE** Range integrates seamlessly with the complete range of Barkers Fencing perimeter security systems and harmonises with all styles of existing or new boundary installations.

PROTECTORGATE Range - A range of high quality access controlled gates suitable for sites that require operational safety and security - factories, administration centres, public buildings, sports grounds, airports and military sites.

The features shown here are just a sample of the access control and security options available.

Barkers Fencing can customise the **PROTECTORGATE** Range to suit every application, and tailor each product to satisfy individual requirements.



- 1** **Leading edge safety strip** - contact with the safety strip immediately stops the movement of the gate.



- 2** **Photo cells** - the passage of the gate is controlled by photocells that detect an obstruction from pedestrians or vehicles, allowing safe opening and closing.



- Audio, visual and keypad entry control** - a choice of multiple access control accessories can be installed on separate posts to enable positioning for vehicle access.

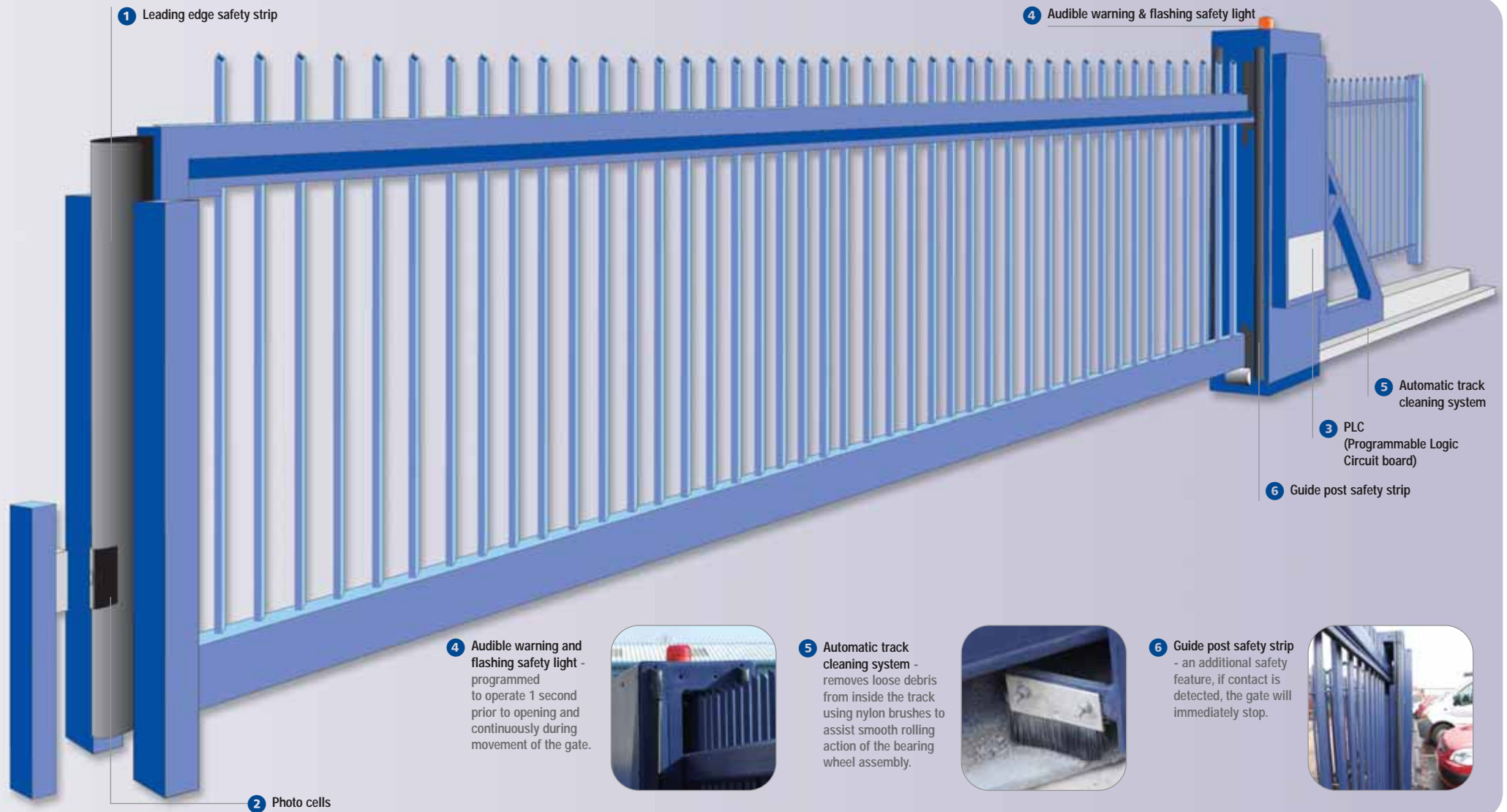


- 3** **PLC (Programmable Logic Circuit board)** - The PLC is the brains of the gate. It allows flexibility to enable almost any access control function, such as intercom, swipe card etc. and can be programmed to meet virtually all requirements.



Barkers, better value all round.

PROTECTORGATE



1 Leading edge safety strip

4 Audible warning & flashing safety light

5 Automatic track cleaning system

3 PLC (Programmable Logic Circuit board)

6 Guide post safety strip

4 Audible warning and flashing safety light - programmed to operate 1 second prior to opening and continuously during movement of the gate.



5 Automatic track cleaning system - removes loose debris from inside the track using nylon brushes to assist smooth rolling action of the bearing wheel assembly.



6 Guide post safety strip - an additional safety feature, if contact is detected, the gate will immediately stop.



2 Photo cells

CANTILEVERGATES . . . from manual to fully automated

The Barkers Fencing Cantilever gate range comprises of manually and semi-automatically operated gates through to fully automated systems.

Manual CANTILEVER gate

The gate is opened and closed by hand, and locked using a euro cylinder type Lockinox lock and key.

Dead Man CANTILEVER gate

The gate is powered by an electric three phase motor which operates via a dead mans switch only i.e. a key is inserted and turned towards desired direction of movement. Once the hand is removed from the key the gate stops dead. The dead mans switch must be mounted within 20 metres of the gate and the opening and closing side of the gate in full vision.

Automated CANTILEVER gate

Powered by an electric three phase motor which opens and closes without supervision. This option can be controlled using various access control systems, i.e. card swipes, remote control key fobs, ground loops, coded key pads, intercom systems, camera intercom systems, iris readers and finger print readers.

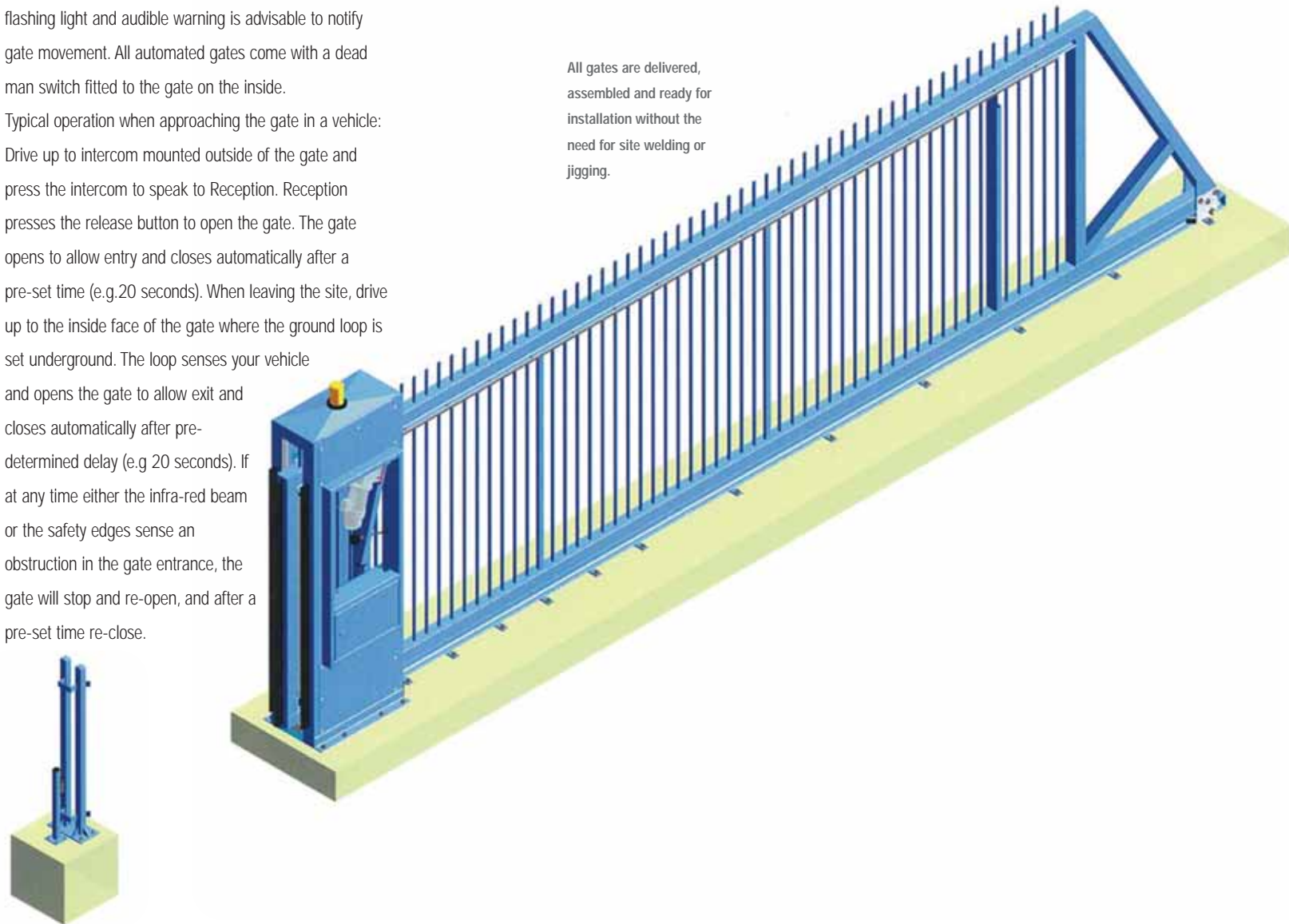
For safety reasons all automated gates must have safety edges on both the gate leaf end and on the gate support post. An infra-red beam is also required for additional

pedestrian and vehicle protection. The addition of a flashing light and audible warning is advisable to notify gate movement. All automated gates come with a dead man switch fitted to the gate on the inside.

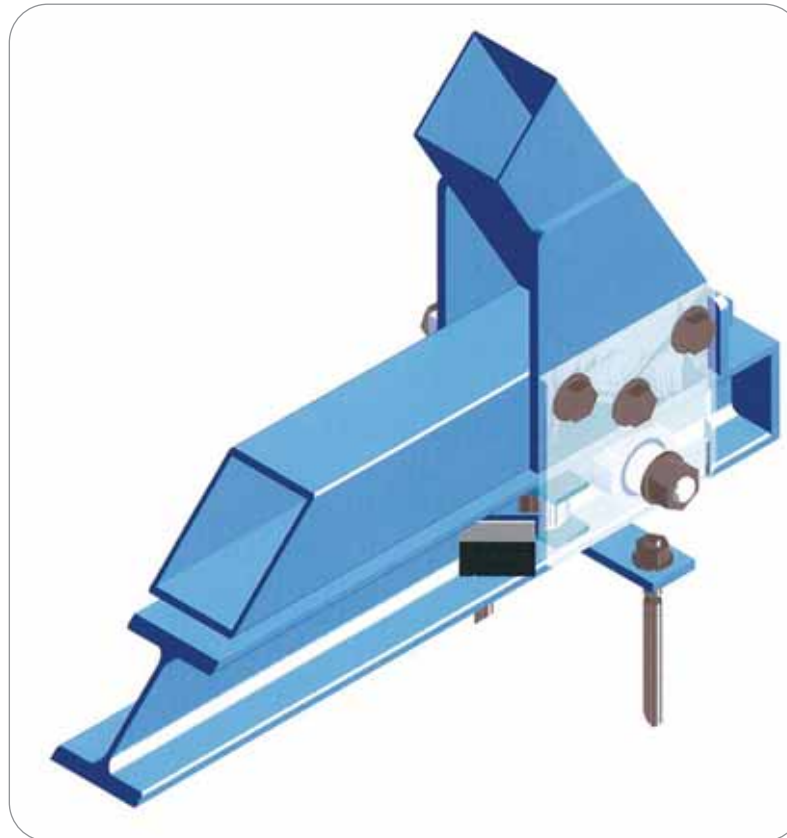
Typical operation when approaching the gate in a vehicle:

Drive up to intercom mounted outside of the gate and press the intercom to speak to Reception. Reception presses the release button to open the gate. The gate opens to allow entry and closes automatically after a pre-set time (e.g.20 seconds). When leaving the site, drive up to the inside face of the gate where the ground loop is set underground. The loop senses your vehicle and opens the gate to allow exit and closes automatically after pre-determined delay (e.g 20 seconds). If at any time either the infra-red beam or the safety edges sense an obstruction in the gate entrance, the gate will stop and re-open, and after a pre-set time re-close.

All gates are delivered, assembled and ready for installation without the need for site welding or jiggging.



PROTECTORGATE



Product overview

- Counter balance gate system.
- Gate system supplied assembled, just bolt down to install.
- Gate leaf, support tower and rear ground beam supplied assembled ready for surface mounting.
- Surface mounted slam post and light sensor post if required.
- 4 polypropylene side rollers, fully ball raced located inside main support tower.
- Stainless steel main support roller and shaft, all fully ball raced.
- Stainless steel rear roller assemblies fully ball raced complete with track cleaning brushes.
- Gate frame and posts fabricated from rolled steel hollow section, rear ground beam fabricated from parallel fangled universal beam.
- All Cantilever gates are finished with a durable enamel machine paint.
- Gate, rear ground track and posts all hot dipped galvanized to BS1461.
- All welding to EN287, (BS4872)
- Surface mounted double sided support towers.
- Speed can be set from 0.5m per second to 1.0m per second, when fully automated.
- All electronics are weatherproofed to IP56.
- Electric powered gates are commissioned after site erection by our fully trained electrical engineers.
- Service contracts available.

Gate height (m)	1.8	2.0	2.1	2.4						
Single Leaf widths (m)	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	
Double Leaf widths (m)	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	

Infill	Tops				Forged			
	Flush	Serrated	Square	Mitred	Head	TPT	R&N	Single Pointed
25x3 CHS	●	●	●	●	●			
25x25x2 SHS	●	●		●	●			
W' PALE			●			●	●	●
D' PALE			●			●	●	●
MESH		●						



POWEREDSWING & MANUALSWING Gates

The Barkers Fencing range of swing gates has been developed to complement the entire range of fencing options available, including manually operated through to fully automated, single and double leaf gates.

Product overview

Gate posts

Are either rolled steel hollow section, rolled steel joist, universal beam or universal columns depending on the site and preference.

Gate frames

Can be made from flat bar or rolled steel hollow section depending on gate size.

Infills

A wide range of infills are available, including mesh, round bar, square bar and hollow sections manufactured to suit the Barkers Fencing portfolio of products.

Locking methods for general fencing gates are:

- Lockinox – can be opened or closed with or without a key.
- Slip latch – that can be padlocked in the open or closed position.
- Traditional pivot latch – when locking is not an issue.
- Anti-climb **PROTECTORGATE** latch.

POWEREDSWING GATES



HYDRACLOSE - Self closing swing gate

HYDRACLOSE SWING GATES



A vast range of finishing options are available to suit individual needs.



The hydraulic closing mechanism is discretely hidden away.



With **HYDRACLOSE**, the gate closes at a controlled, constant speed until it is close to shutting, when it slows to a gentle close. This fluid closing motion provides a quiet and safe operation, ideal for use in areas where children are present or when general pedestrian access is required. With the addition of maglocks used to secure the gate, there is the added advantage of the prevention of heavy slamming and therefore reducing the risk of damage to the locking mechanism.

Product overview

- Top hinge provides adjustment using shims.
- Twin high speed hydraulic self closing gate mechanism.
- Hydraulic unit is discretely housed in bottom rail out of harms way and can be adjusted to satisfy individual needs.
- Rate of closure is fully adjustable.
- Available for applications up to 1.5m wide and 2.4m tall.
- Infills can be used to integrate seamlessly with the complete range of Barkers Fencing perimeter security systems or harmonise with all styles of existing or new boundary installations.
- Conforms to BS EN1154.

PROTECTORGATE Range - from demarcation to custom built . . .

The **PROTECTORGATE** range has been designed to suit most applications and individual requirements.

Product overview

Single leaf widths

1m, 1.2m, 1.5m, 2m, as well as tailor-made to suit specific requirements.

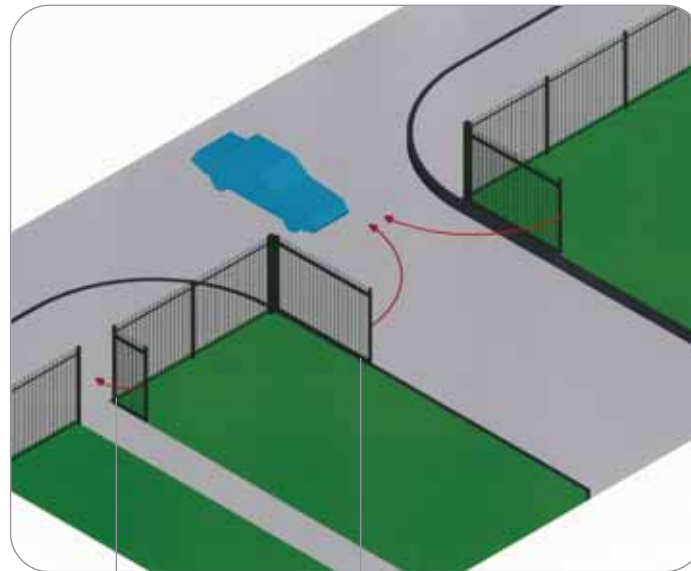
Double leaf widths (Between posts)

2m to 10m, as well as tailor-made to suit specific requirements.

Heights

1.0m, 1.2m, 1.5m, 1.8m, 2.0m, 2.1m, 2.4m and 3.0m, as well as tailor-made to suit specific requirements.

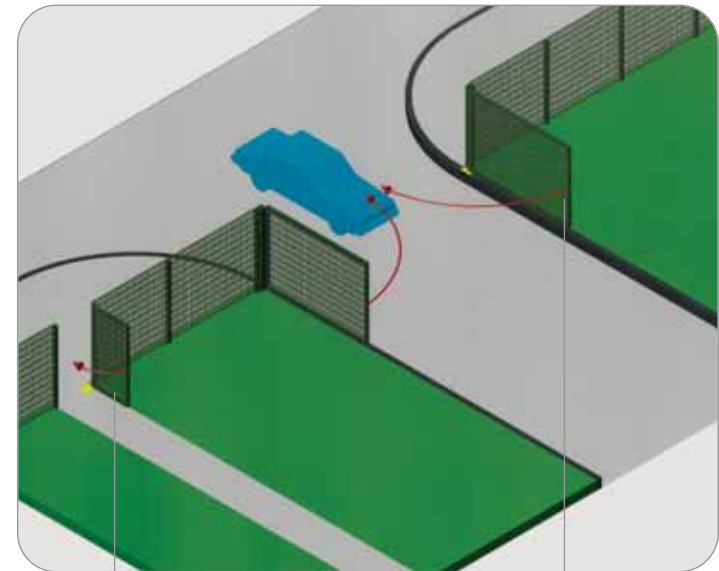
Manual Swing Gates



Low risk
Typical applications include:

- Waste facilities
- Commercial and low risk Industrial sites
- Offices
- Private car parks
- Schools

Automated Swing Gates



Medium risk
Typical applications include:

- Waste facilities
- Commercial and medium risk industrial sites
- Offices
- Private car parks
- Schools
- Distribution depots
- Suitable for sites where frequent operations are required

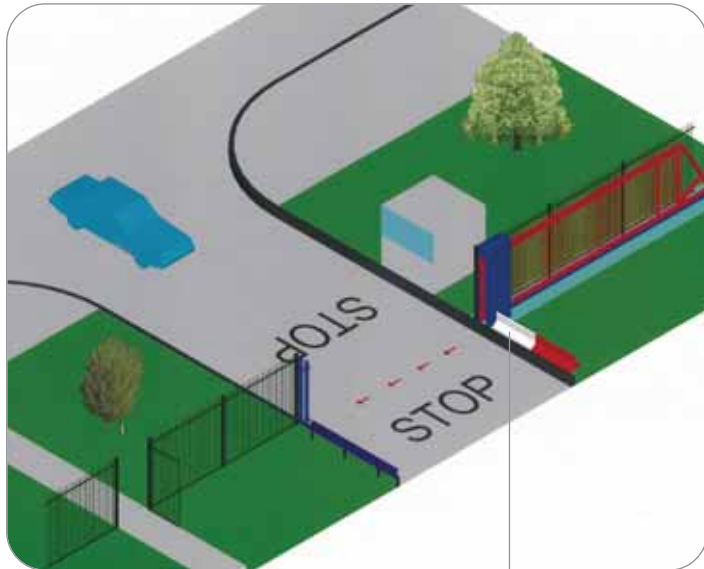


PROTECTORGATE



... from low to high security

Dead Man Cantilever Gates

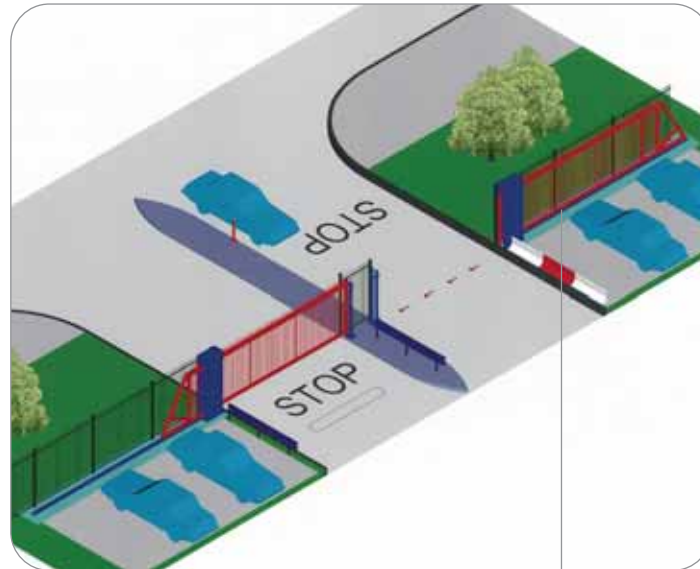


High risk

Typical applications include:

- | | |
|--------------------|-----------------------|
| Airports | Pharmaceutical plants |
| Shipping terminals | Government buildings |
| Military complexes | Embassies |
| Power plants | |

Automated Cantilever Gates



High risk

Typical applications include:

- | | |
|--------------------|-----------------------|
| Airports | Pharmaceutical plants |
| Shipping terminals | Government buildings |
| Military complexes | Embassies |
| Power plants | |





BARKERS FENCING



bristorm



interceptor

The ultimate defence against hostile attack.



'In-ter-cep-tor' - a person or thing that stops or catches someone or something going from one place to another.

interceptor



INTERCEPTOR - the ultimate in security



Barriers of all types are used throughout the world to prevent intrusion into restricted areas or retain personnel or goods within restricted areas. At times personnel or goods must enter or leave the restricted areas, resulting in the requirement for at least part of the barrier to be moveable.

For more than 40 years, Barkers Fencing have been designing and developing perimeter security solutions, and now provide the ultimate perimeter security system.

INTERCEPTOR is much more than an access control system - the UK's first surface mounted gate (SMG),

INTERCEPTOR can be installed with foundations required for the fixing bolts of 500mm, meaning installation can be performed with the minimum of disruption to the surrounding areas and underground services.

Gate Security Level		INTERCEPTOR
1	Boundary, demarcation & safety	●
1 to 2	Low to medium risk security	●
2 to 3	Anti-intruder, medium to high security	●
3	High security	●

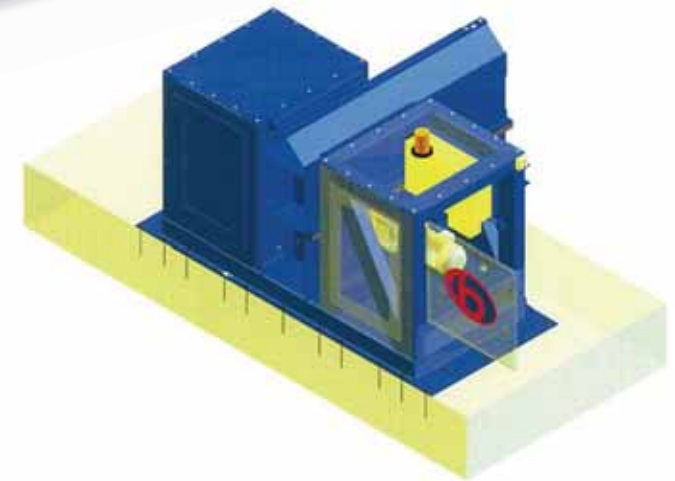
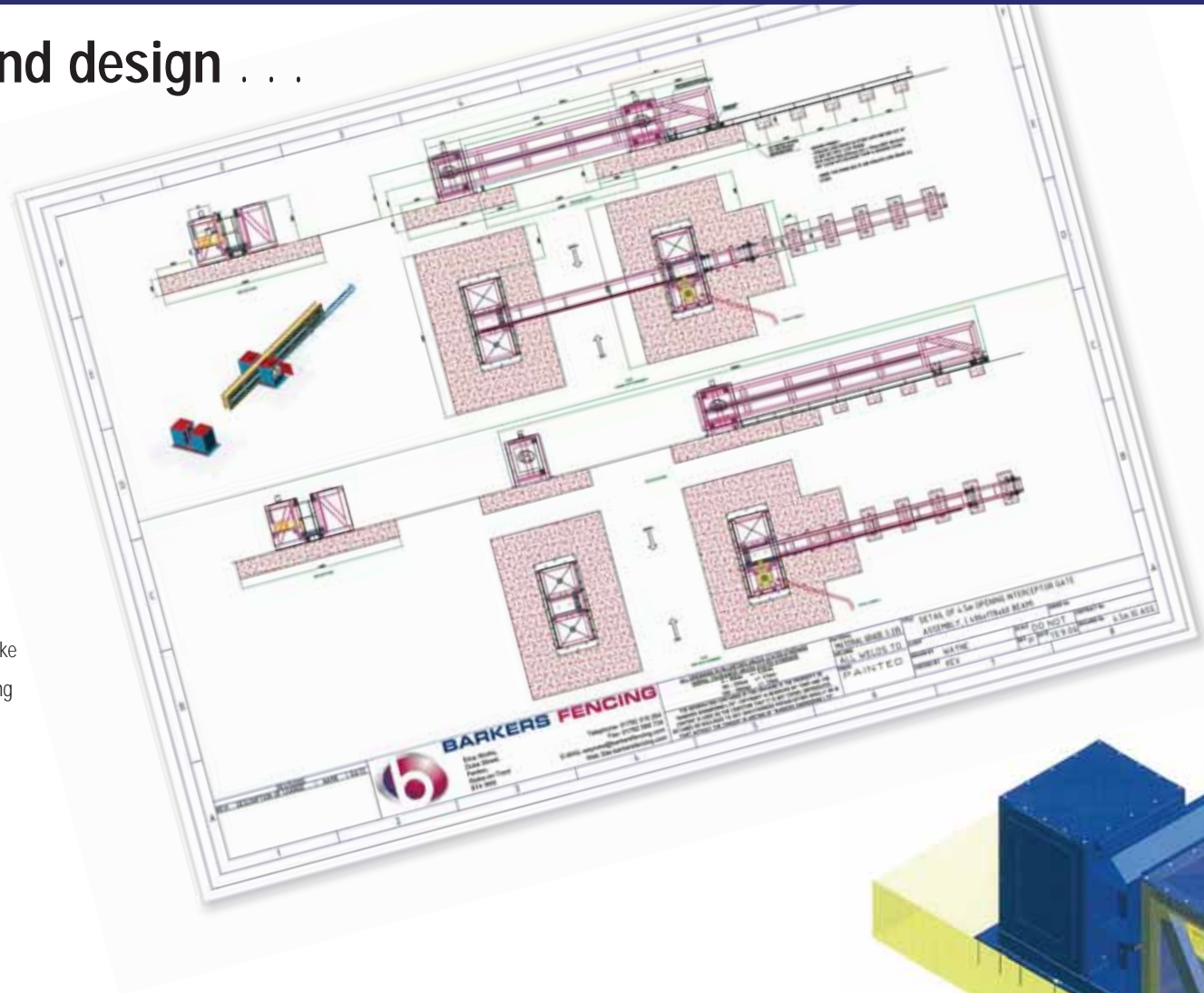
From conception and design . . .

From the very beginning, the **INTERCEPTOR** has been designed and developed totally in-house by the Barkers Fencing team of dedicated design engineers.

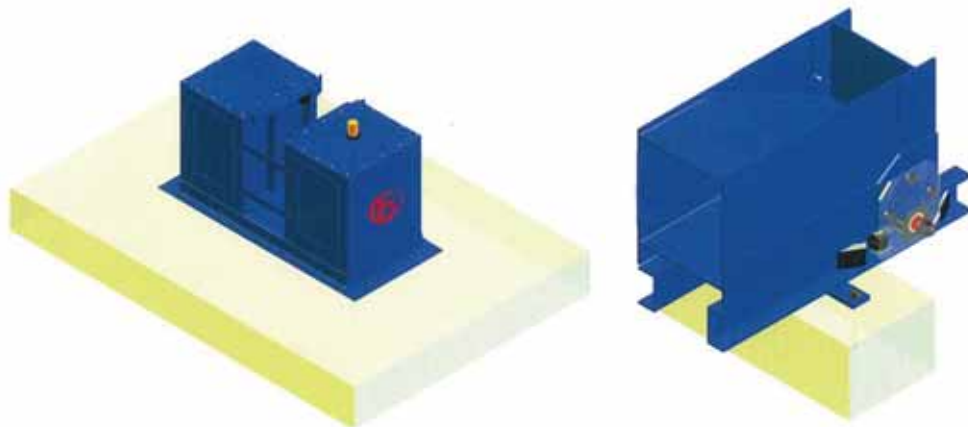
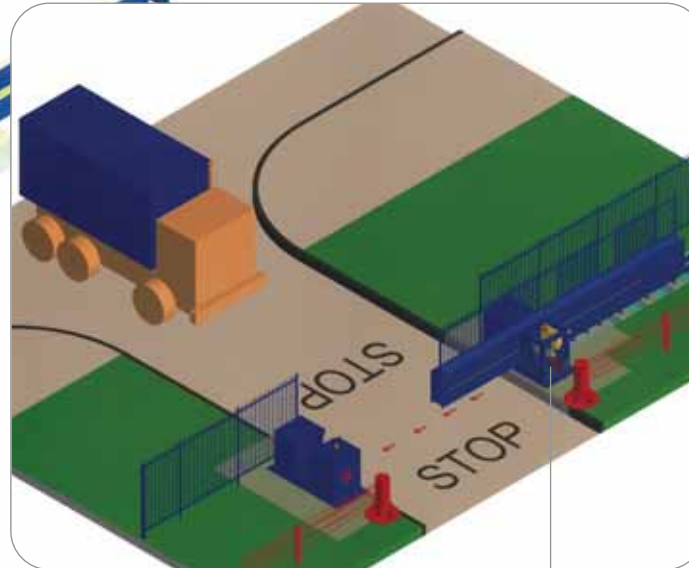
Neither scale nor complexity is a problem to Barkers Fencing - capability, competence and attention to detail set them apart.

If just one thing differentiates Barkers Fencing from others, it is the ability to manage complexity on a scale that few can accommodate. Regularly commissioned to perform effective delivery of perimeter security systems, Barkers Fencing are an acknowledged leader when it comes to planning, designing and implementing.

From large infrastructure challenges to innovative bespoke designs in the private and public sectors, Barkers Fencing are at the forefront of delivering the solutions that such projects demand.



interceptor



Resources and people

Barkers Fencing's expertise and first-class record of smooth and efficient installations is beyond question. Such capability, and the experience that goes with it, enables Barkers Fencing to approach projects with confidence, providing a comprehensive response to client's needs.

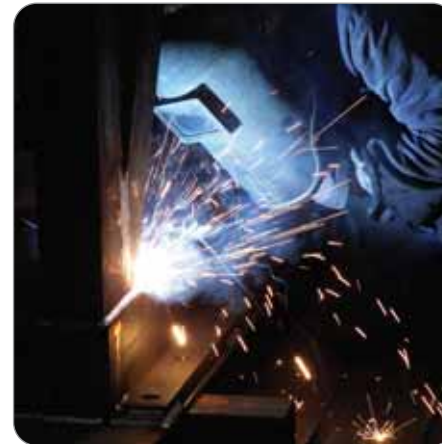
Barkers Fencing have developed an extensive service related to security infrastructure projects. From pure demarcation boundaries to fully implemented anti-terrorist installations, Barkers Fencing can ensure confidentiality on all projects entrusted to them.

High risk
Typical applications include:

- | | |
|----------------------------|---|
| Financial institutions | Petro-Chemical plants |
| Military installations | Pharmaceutical plants |
| Cash processing facilities | Government buildings |
| Oil refineries | Embassies |
| Airports | Chemical plants |
| Shipping terminals | Suitable for sites where frequent operations are required |
| Power plants | |

. . . to construction and devastation

Hand built and manufactured under one roof, the **INTERCEPTOR** is constructed from the highest quality materials. Workmanship is quality assured to ISO 9001, with the welding performed to EN287 (BS4872), and fully tested in association with NSAC (National Security Advisory Council) and TRL (Transport Research laboratory) for K4 and K8 performance levels.



Hand built and manufactured to ISO 9001, all on-site.

Product overview

- Counter balance gate system.
- Standard gate height 1300mm.
- Gates can be extended in height for added security and to satisfy individual requirements.
- Standard gate widths available - 3.5m, 4.0m, 4.5m, 5.0m, 5.5m.
- Non-standard widths are available on request.
- Gate leaf, 2 buttresses and rear ground beam for surface mounting.
- 8 polypropylene side rollers fully ball raced located inside main buttresses.
- 2 stainless steel main support roller and shaft all fully ball raced.
- 2 stainless steel rear roller assemblies fully ball raced complete with track cleaning brushes.
- Gate frame and posts fabricated from rolled steel hollow section and universal beam, rear ground beam fabricated from twin parallel fangled channels.
- Gate, rear ground track and posts all painted to individual requirements.

'In-ter-cep-tor' a person or thing that stops or catches someone or



Personalised finishing can be provided to enhance the aesthetic appeal and promote companies corporate branding.

interceptor



Crash rated to BS PAS 68: 2007
Ref: 7500-80, the INTERCEPTOR
stood its ground and passed
without compromise.



- All welding to EN287, (BS4872).
- All surface mounted.
- Speed can be set from 0.5m per second to 1.5m per second.
- Manual override facility fitted to motor in case of power cut.
- All electronics are weatherproofed to IP56.

Crash rated at the TRL test site, the **INTERCEPTOR** was put through its paces. The purpose of the test was to determine the stopping or restraining potential when impacted at 90 degrees by a 7.5 ton, twin axle vehicle travelling at 80km/h (50mph).

"On impact the vehicle was immobilised by the system with no major parts of the vehicle penetrating past. The gate deformed, as designed, under the impact but remained intact such that no further vehicles could pass."

The **INTERCEPTOR** is fully manufactured in the UK, with instant access to expert advice and spare part availability. For the complete security solution, additional gate leaves can be ordered and held in stock for immediate replacement, should the **INTERCEPTOR** be called into action.



something going from one place to another.



Standard gate height (m)	1.3 Gates can be extended in height to satisfy individual requirements and for added security
Standard gate widths (m)	3.5 4.0 4.5 5.0 5.5 6.0 Non-standard widths are available on request

bristorm the new anti-terrorist security fence

Developed by Hill and Smith plc, and fully tested in association with NSAC (National Security Advisory Council) and TRL (Transport Research Laboratory) for K4 and K8 performance levels.

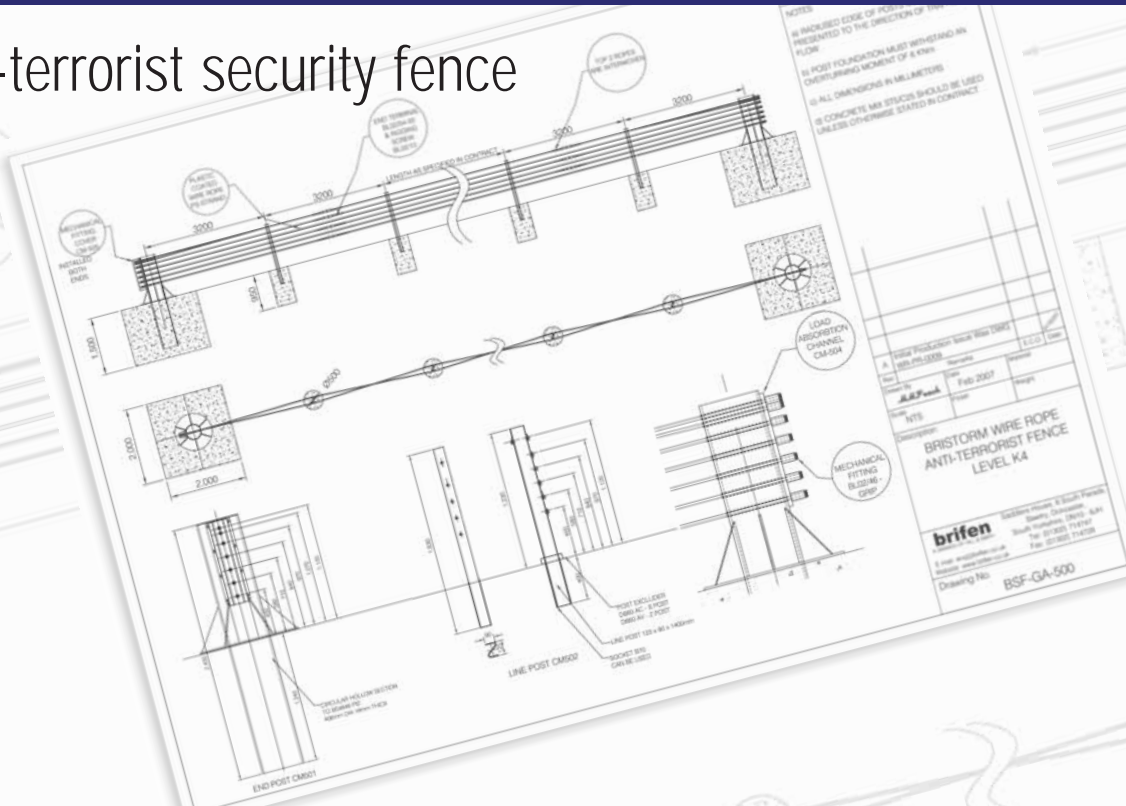
The Bristorm system consists of an arrangement of plastic coated, high tensile steel wire ropes, which are heavily galvanized/greased and sheathed with a high density polyethylene coating.

With a modulus of elasticity of 195KN/mm^2 +/- 10KN/mm^2 , it means that the system does not require any re-tensioning during normal wear and tear.

The strands are supported on steel posts and anchored at each end on substantial termination points.

The Bristorm fence can be installed in any colour with the posts to match so that it will fit in with any environment.

Applications for the Bristorm anti-terrorist fence include: airports, banks, cash collection centres, oil and gas terminals, MOD property and large shopping centres.





Product overview

- Easy and cost effective to maintain or repair.
- Weatherproof, due to the ropes being galvanized/greased and having been sheathed in a high density polyethylene coating.
- The ability to have an anti tamper electrical cable incorporated into the design.
- Fence can be provided in any colour to match the environment.
- Environmentally friendly with an open structure that cannot be hidden behind.
- For further information contact Graham Sharpe on: 07876 440748.



For further information www.barkersfencing.com





BARKERS FENCING

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