

# Automatic telescopic bollard technology

automatic



automatic



VP100  
VP200  
VP700

VP100  
VP200  
VP700

access



atg  
access ltd



# Automatic Telescopic Bollards. The Rising Force in Access Control.

ATG Access is the UK market leader in automatic telescopic bollard systems for access control, security and traffic management. Our name has become a byword for innovation and we are quite literally setting the standard for the industry, combining technical know-how with a comprehensive customer care and back-up service.

Simple to use, versatile and highly effective, our automatic systems offer an incredibly resistant barrier which will disappear when not in use, but when 'on duty' can literally stop a vehicle in its tracks.

## L.A.R.B.U.G



## Strong at Heart

Automatic telescopic bollards from ATG Access comprise steel cored heavy duty hydraulic units which can handle thousands of operations a day and withstand multiple impacts without affecting performance.





## Easy To Operate

There are a variety of intelligent control systems available which are designed to make it easy for authorised vehicles to operate the ATG Access hydraulic bollards and gain access.

## ATG Access The Nation's Favourite Bollard Systems

As the UK market leader in automatic telescopic bollard systems, ATG Access is helping to revolutionise the areas of traffic management, access control and security. Our dedication to creating innovative products is matched only by our commitment to providing the highest quality customer care and support service.

## Part of The UK Landscape

We offer a variety of bespoke automatic telescopic bollard designs in a range of materials and aesthetically appealing finishes. This ensures that our systems will integrate seamlessly with all modern streetscapes and architectural styles, whilst providing a visual deterrent and an impassable obstacle for unauthorised drivers.

## Advanced Access Technology

ATG Access' remotely operated telescopic bollard systems are a totally user-friendly solution, utilising the latest intelligent automation technology to provide responsive and highly effective control of vehicular access. Solar and wind generated power now operate bollard systems in the UK.

## Easy to Use. Easy to Install.

The systems are also surprisingly easy to install. Just leave it to our fully qualified and experienced installation engineers, and they'll ensure that the

installation is done as quickly and with as little disruption as possible.



## Incredibly Versatile

Once an authorised vehicle has been recognised by the control system, the bollard is automatically retracted into the ground. Traffic indicator lights on the entrance system then signal the driver to proceed. So simple, yet so effective.



## Approved By The Best

For your added peace of mind you can be sure that ATG Access boasts the highest level of accreditation in its field. Our automatic bollards were the first to be Highways Agency approved and are the only bollards to fully comply with the specification of the Local Authority Rising Bollard User Group (L.A.R.B.U.G.).



## Typical applications for automatic bollards

- Pedestrianisation
- Bus gates
- Access control
- Security

[www.atgaccess.com](http://www.atgaccess.com)

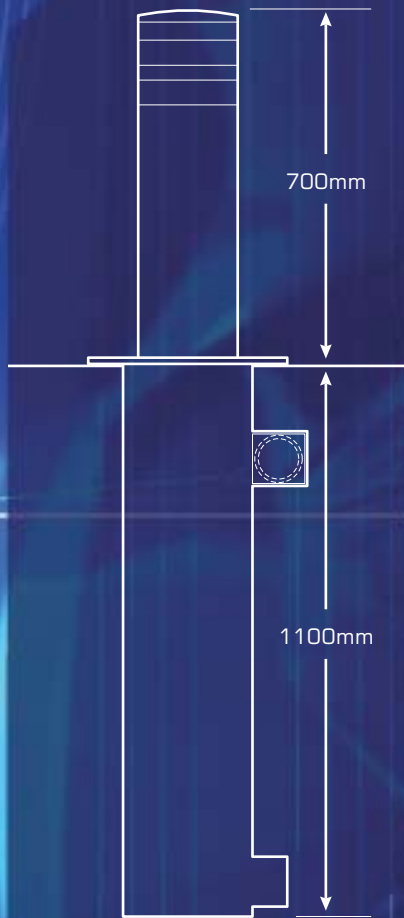




# VP Automatic Bollards



Cardiff City Hall



## VP 50/100/150/200/700/800

The ATG Access range of VP Automatic Bollards provides some of the most effective solutions for managing traffic and policing access control in the UK today.

Offering different levels of specification and performance, this market leading range combines robust construction with ease of use, to provide a reliable, versatile answer to virtually any access requirement. VP Automatic Bollards are used in conjunction with our unique safety and monitoring systems, and are now the preferred option in hundreds of Security, Access Control, Bus Gate Priority and Pedestrianisation schemes currently operating nationwide.

VP Automatic Bollards are designed with an inner steel core and an outer polyurethane sleeve. In its withdrawn position the bollard descends hydraulically into a steel outer casing located below ground level. Bollards are also available in stainless steel, while a maximum of 4 bollards can be operated from each system. For details of the VP 50 system see page 10.

## Specification

**Bollard diameter** – 200mm.

**Bollard height** – 700mm (VP100; VP150; VP200; VP700) 800mm (VP800).

**Bollard finish options** – Stainless steel or galvanised mild steel with a round/octagonal polyurethane sleeve.

**Polyurethane sleeve** – Available in Black, Blue, Green and Red (VP800 black steel only).

**Optimum bollard riser time** – 2 seconds.

**Optimum bollard lower time** – 2 seconds.

**Power fail status** – Bollard down as standard. Bollard up option available.

**Power requirements** – 240v single phase 20amp.

System Applications						
System Ref	Security	Access Control	Pedestrian	Bus Gate	DTLR Approval	Number of Operations Per Day
VP100	•					1000
VP150	•	•				1500
VP200	•	•	•	•	•	1000
VP700	•	•	•	•	•	2000
VP800	•					2000

## Control Cabinets

Control cabinets house the brains of our systems. They contain the hydraulics, the access control equipment, the monitoring and control equipment and the safety systems. As a result, the size of cabinet a system requires is determined by the amount of equipment it needs to incorporate.



	Height	Width	Depth
Cabinet VP 100	750	420	345
Cabinet VP 150	1600	340	320
Cabinet VP 200	1350	750	385
Cabinet VP 700/800	1950	750	500

## Traffic Indicator Columns

Traffic Indicator columns are used to warn users that a bollard is raised or about to return to the raised position. Red and green lights indicate if it is safe to proceed, an audible tone indicates the bollard is in operation. The columns can also house access control devices.



## Access Control Accessories

**Intercom** – An intercom system fitted into the traffic indicator column is used to contact a manned Reception or Security Lodge to gain access.

## Access Control Accessories cont'd

**Radio Transmitter** – A hand held or fitted transmitter sends out a signal which, when received, lowers the bollards.

**Proximity Card** – The driver offers a security card to a reader set into the traffic indicator column. The cards have an individual code. This is unique to the user and enables the system to validate cards and control access.

**Key Pad** – Here the traffic indicator column is fitted with a key pad on its fascia which controls the bollard system. The driver keys in a 4 digit code to gain access.

**Pay Station/Coin Operator** – The driver inserts coins to the correct denomination or individually coded tokens into the pay station or coin operator, which in turn sends an open command to the bollards.

**Telguard** – Telguard uses the telephone network to communicate. The driver uses a key pad on the traffic indicator column to call an office or house number. The call is answered at the pre-set number and if the vehicle is valid, the phone operator can lower the bollard.

**Transponder System** – Transponders can be fitted permanently to the front of a vehicle. Transponders are then recognised as the vehicle approaches via an induction loop in the ground and the bollards are activated. Above ground microwave detection systems can also be used, with a transponder as a windscreen tag.

**Vehicle Recognition/ANPR** – An automatic number plate recognition system consists of cameras linked to a computer. As a vehicle passes, the system reads the number plate and checks it against a database of authorised numbers before allowing access.

**GPS** – A satellite based navigation system is available to track the location of an authorised vehicle and send a signal to lower the bollards.

Equipment	System				
	VP50	VP100	VP150	VP200 VP700	VP800
Intercom	•	•	•	•	•
Radio Transmitter	•	•	•	•	•
Proximity Cards			•	•	•
Key Pad	•		•	•	•
Coin Operator	•		•	•	•
TelGuard				•	
Transponder System				•	
Vehicle Recognition			•	•	
GPS				•	



De Vere HQ



Proctor &amp; Gamble



The Lowry Centre



BNFL HQ

# ATG Access Systems

## Security

ATG Access automatic telescopic bollard systems provide that most effective form of security: a visual, discreet deterrent to intruders, which will disappear and allow access to authorised drivers but is powerful enough to resist any excluded vehicle.

## Bollards

VP100; VP150; VP200; VP700; VP800

Bollard systems and control cabinets

## Controls

Tel-Guard; Intercom; Proximity Card; Transponder; Tagging systems; Key Pad; Pay station/coin operator and ANPR.

## Security In Action

Push-button operated ATG Access automatic bollards are used to secure the De Vere corporate HQ – remaining 'on duty' at night, but disappearing unobtrusively under the ground during the day.

Proctor & Gamble employ ATG Access automatic bollards to reinforce their rising arm barrier system. Push button controlled, the more robust bollards rise up when the barrier comes down to provide security and access control.

The Lowry Centre in Salford uses an ATG Access automatic bollard system to provide vehicle access control and security for its users. This is fully incorporated with the centre's CCTV system, while all bollards are remotely operated from the security desk.

ATG Access automatic bollards, using an authorised tagging/intercom control system, control access to BNFL's headquarters 24 hours a day.



# ATG Access Systems

## Access Control

With gates and barriers proving an impractical and ineffective way of providing access control in the majority of urban locations, it is left to ATG Access' automatic telescopic bollard systems to provide a flexible, durable and genuinely user-friendly solution. Employing the latest in intelligent authorisation technology, ATG Access systems have become the 'smart' way to police and control vehicles in restricted areas.



MOTO Service Station

## Bollards

VP150; VP200; VP700

Bollard systems and control cabinets

## Controls

Tel-Guard; Intercom; Proximity Card; Radio Transmitter; Key Pad; Coin Operator; Transponder; Tagging systems; Traffic Indicator Columns and ANPR.



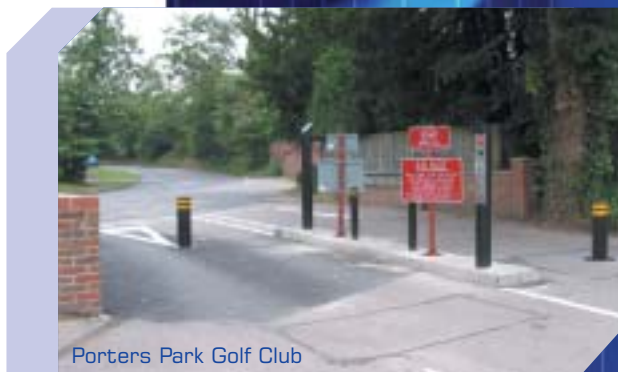
Cardiff City Hall

## Access Control In Action

ATG Access automatic bollards are used to close up 'rat runs' at a number of MOTO motorway service stations, where road signs alone have been unable to control traffic.

Cardiff City Hall employs ATG Access automatic bollards to provide access control throughout the day outside this important city centre landmark.

Golf Clubs throughout the UK suffer from crime against members's cars and property. ATG Access integrated security systems protect Porters Park and over 35 other golf clubs throughout the country.



Porters Park Golf Club

## VP150 – our latest Access Control Innovation

The VP150 is an "off the shelf" automatic telescopic bollard - a revolutionary new concept for the access control market, allowing you to choose how to monitor your own bollard system. The off the shelf system will consist of the bollard itself and a combined control cabinet and traffic indicators, while the access control will be user defined. In short, if you're looking for a more robust alternative to rising arm barriers and other more lightweight access control equipment, yet you still want something which is easy to install, then the VP150 offers the perfect solution.



Ilkeston



York



Cambridge



Redbridge



Chester

# ATG Access Systems

## Bus Gate Priority

With Bus Gate Priority schemes gaining in popularity, ATG Access' automatic telescopic bollards are fast becoming a familiar feature of today's town and city centres. As well as shutting out unauthorised vehicles effectively, our bollards can incorporate varying operating cycles and speeds to provide access control which is tailored to suit the traffic flow of an area. It's also good news for the environment. Public transport will gain in efficiency and popularity as a result of the schemes, which will lead to less traffic in our cities and reduce emission levels.

### Bollards

VP200; VP700

Bollard systems and control cabinets

### Controls

Proximity Card; Radio Transmitter; Transponder; Tagging systems; Traffic Indicator Columns; ANPR and GPS.

### Bus Gate Priority In Action

ATG Access automatic bollards are used in the bus gate priority scheme operating in York city centre - limiting road use to buses, whilst reducing traffic and maintenance of highways and footpaths.

ATG Access has played a prominent role in helping Cambridgeshire County Council to win a major European transport award for its extensive Park & Ride scheme. This uses ATG Access automatic bollards and intelligent automated control systems to limit traffic access to Cambridge city centre.

ATG Access automatic bollards are used in Redbridge to prevent HGV vehicles from going down restricted roads, whilst opening the way to buses and cars.

An automatic bollard system has been installed in Chester to keep cars out of a bus lane and so open up access for buses, taxis and emergency vehicles. These are fitted with transponders that enable the bollards to be activated. The result is a system which has stopped around 700 vehicles a day unlawfully using the bus lane.



# ATG Access Systems

## Pedestrianisation

The increasing use of city centre pedestrian zones has caused a significant growth in the number of vehicle access control systems in the UK. ATG Access has responded by developing a range of automatic telescopic bollard designs which are totally sympathetic with modern street architecture, but which also make it easier to control and regulate the flow of traffic into pedestrianised zones.



Glasgow

## Bollards

VP200; VP700

Bollard systems and control cabinets

## Controls

Proximity Card; Radio Transmitter; Key Pad; Coin Operator; Transponder; Tagging Systems; Traffic Indicator Columns and ANPR.



Manchester

## Pedestrianisation In Action

ATG Access currently have over 100 pedestrianisation schemes running throughout the UK, including:

- Aylesbury (3 systems)
- Covent Garden (1 system)
- Leicester Square (1 system)
- Bolton (3 systems)
- Warrington (3 systems)
- Cardiff (3 systems)
- Liverpool (8 systems)
- Manchester (17 systems)
- Glasgow (3 systems)

The benefits of reducing or eliminating traffic from town and city centres are:

- Reduced air pollution
- Reduced maintenance costs for highways, pavements, signage and street furniture
- A safer environment for shoppers and tourists
- Unobtrusive security - with bollards blending in with today's contemporary architecture and street furniture



Liverpool



Cardiff



## Genie Automatic Bollard

The AT Genie is the most effective and affordable alternative to gate security in domestic properties, providing a remote controlled telescopic bollard. The AT Genie allows access on foot for visitors, but is proving a successful deterrent to household burglaries and drive-way theft of cars and caravans.



Protecting the integrity of specialist parking areas, such as Disabled Parking is a major problem in the UK, latest figures showing that 1 in 4 spaces reserved for specialist needs drivers is taken up by an unauthorised vehicle.

The Genie bollard can provide the solution to this persistent problem. Bollards can be installed and multiple key fobs can be programmed alike and distributed nationally to ensure only authorised usage of spaces.

Basingstoke & Dean council encountered this problem when they introduced 6 parking bays in the Town Centre intended for disabled drivers. Adjacent to the main shopping centre these spaces were a prime target for unauthorised use. Two automatic Genie bollards now protect this area.



### Features

- Tamper-proof security design
- 50 number rolling code hand held transmitter
- Manual over-ride facility
- Audible actuator whilst bollard is in motion
- Reverse action on obstacle detection
- DIY installation
- 12v supply to bollard location
- Contemporary design

**AT Genie franchise opportunities are available.  
Please call 0800 085 1003 for details.**

### Specification

Bollard needs to be within 6.5 meters of the control cabinet which must be within 50 meters of the power supply.

**Bollard diameter** – 114mm

**Bollard height** – 670mm

**Bollard finish** – Brushed Stainless Steel

**Maximum bollard riser time** – 11 seconds

**Maximum bollard lower time** – 11 seconds

**Power requirements** – 12v supply. 13amp socket.

**System operations** – Up to 50 times per day. The system will not operate more than 2 complete cycles over a 2 minute period.

### VP50 Automatic Bollard

Designed for residential and commercial applications, the ATG Access VP50 automatic telescopic bollard is ideal for domestic driveways, smaller car parks and area segregation.

The system is hydraulically operated, which means it offers more flexible access control and can be used



in conjunction with automatic gates and garage doors to provide a totally automated solution. The VP50 needs to be installed within 10 meters of the control cabinet.

### Specification

**Bollard diameter** – 101mm

**Bollard height** – 800mm

**Bollard finish** – Nylon coated

**Bollard colour** – Black as standard (others on request)

**Maximum bollard riser time** – 10 seconds

**Maximum bollard lower time** – 10 seconds

**Power requirements** – 240v single phase 20amp

**System operations** – Upto 200 times per day. Not suitable for continuous use.



# Prestigious Sites

## Durham City Council

The first ever city centre tolling system in the UK has been implemented in Durham, with ATG Access supplying an intelligent access system designed to restrict vehicles. A rising bollard is linked to a payment/ticketing machine, which is monitored by CCTV and connected to an intercom. As a result of the scheme, Durham has seen a remarkable 90% reduction in traffic levels.



Durham

## Constitution Hill, London

ATG Access has created a unique design of tapered retracting bollards that now control access to Constitution Hill in London. Included as an integral element of the war memorial, the bollards are cast in bronze and are linked to a vehicle detection system within the monument, which ensures that the integrity of the memorial remains intact.



Constitution Hill

## Kensington Palace

This project was part of a comprehensive roadway enhancement scheme at one of the most prestigious private roads in the world. ATG Access created a series of automatic bollards and control systems to meet the specifications of the Royal Estate, with the bollards being customised in both their shape and design to complement the unique architectural environment of the Palace Gardens.



Kensington Palace

## Beacon Hill

ATG Access have delivered an aesthetic, flexible and sympathetic access control solution at the Beacon Hill Country Park. In fact the ATG Access automatic bollards, now operating in the car park there, are the only solar and wind turbine powered bollards in Europe – with this alternative method of power being used by the Country Park to meet its own environmental requirements.



Beacon Hill





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