

SP 1000



**Impact Tested
Rising Bollard**



About Us

With over 100,000 bollard systems in the field providing protection and access control for facilities worldwide, ATG Access Ltd is a Market Leader in Rising Bollard Systems.

Based in the UK, we have been designing, manufacturing, installing and maintaining rising bollard systems for over 15 years and are proud to serve clients such as The Crown Estates, National Trusts, Major Financial Institutions and Oil & Gas Facilities around the world.

We have a wide range of standard products and we are able to offer bespoke solutions to suit a range of applications, from the inclusion of logos and crests through to the creation of individually designed sleeves or covers.

We were also the first bollard manufacturer in the UK to Impact Test a Manual Telescopic Rising Bollard.

The SP1000

The SP1000 represents the ultimate in High Security, it is functional, responsive, aesthetically pleasing and exceptionally strong.

The SP1000 also carries the same serviceability characteristics our clients have come to expect, all individual components are removable and replaceable, as are the major parts of the bollard system such as the sleeve and the post itself. The SP1000 was created following the company design philosophy of:

- Modular Design and Built in Serviceability - Rapid exchange of service items
- Man & a van service team - No lifting equipment required for standard servicing
- Multi-layer security features, controlled product failure, different products for different applications - unique software and hardware designed for individual clients needs.

As manufacturers we are able to provide bespoke solutions and to produce bollards systems in designs to suit your application.

In the SP1000 we have produced a product of the highest calibre, it benefits from our experience of security at all levels but raises the bar in terms of high security features, physical strength and serviceability and it drives the industry forward into the next generation of rising bollard.

The Test



TRL (Transport Research Laboratory) is an internationally recognised centre of excellence providing world-class research, advice and solutions for all issues relating to land transport.

They generate sustainable solutions and create new opportunities across a wide range of transport-related issues for their clients throughout the world.



In the current climate the security marketplace is awash with products claiming to be "anti-terrorist", "impact tested" or "high impact resistant" few however can back these claims with factual evidence and even fewer can claim a successful outcome to a test of a single bollard.

Amid claims from other manufacturers of 3 bollards being hit and 2 continuing to function and road blockers arresting a vehicle within 15 metres, ATG Access is extremely proud to boast its "dead stop" of a vehicle weighing 7.5 tonne travelling at 50kp/h by just a single rising bollard. Made even more impressive by the fact that damage to the bollard was minimal and it continued to function following the impact.

Following the successful 50kp/h test we returned to carry out a further test on the SP1000 at 80kp/h. One month later with a fresh outer sleeve and a new inner core the bollard successfully arrested a 7.5 tonne vehicle travelling at 80kp/h.

To give an idea of the impact energy the equivalents for a 7.5 tonne truck travelling at 80kp/h are:

- a family car at 180kp/h (110mph)
- a transit style van at 115kp/h (70mph)
- a 20 tonne truck at 50kp/h (30mph)
- a 30 tonne truck at 40kp/h (25mph)

7.5 tonne at 50kp/h = 674KJ

7.5 tonne at 80kp/h = 1872KJ



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ATG Access

ATG Access has led the telescopic bollard market from its manufacturing base in the UK and has built-up a prestigious client portfolio including:

All UK Major Contractors, BNFL, Crown Estates, English Heritage, MOTO, Norwich Union, Royal Parks and WS Atkins, as well as a whole host of Local Authorities, Premiership Football Clubs, Hotel Groups, Oil & Petroleum Companies and, of course, Government Departments.

ATG Access has remained at the forefront of the development of rising bollard technology and has led through innovation, matching and exceeding customer expectations and marketplace requirements and, in addition, achieving accreditations and professional awards for product design, application, durability, customer service and quality.

Uniquely ATG Access has a team of dedicated, fully qualified engineers who provide first class incident response & service and maintenance call-out to our clients.

With over 100,000 manual telescopic and over 1500 automatic rising bollards around the World. ATG Access is without doubt the premier British company for rising bollards and is committed to driving forward the future of automatic rising bollards for security applications through developing our product range in line with customer needs, through producing customised solutions to solve specific problems and with the "can do" attitude inherent within the company.

Summary

- Specialists focusing purely on Rising Bollards
- 15 year manufacturing history
- First rising bollard manufacturer to gain Highways Agency approval
- Prestigious client portfolio containing some of the most respected names in industry
- Accreditations and awards for both products, service and quality assurance
- Global supply
- Whole range of products fully serviceable
- Team of service engineers offering contract response
- Elegant solutions



SP1000 - A new generation of rising bollard

The SP1000 is a direct response to a need bought about by the changing world we live in. The global threat of terrorism, and specifically suicide bombers, has forced us to consider how we will prevent such attacks on our high profile people, buildings and facilities.

The SP1000 is a natural inclusion in the ATG Access product range, from products controlling city centre traffic, bus priority systems, road user charging schemes, access control, pedestrianisation and security, ATG has a bollard to suit all applications.

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is also carried forward into the SP1000.

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Summary

- Dedicated project management
- Experts in design consultancy
- Product principles tried and tested in the field for both security and access control
- Design philosophy at every stage of build
- Multi-layer security features
- Fully serviceable, all internal components can be serviced or changed
- Unique servicing method enables security to be maintained during service work
- Customised service contracts to suit requirements



SP1000 Impact Tested Rising Bollard

The ultimate protection against vehicular attack



atg
access ltd

Proven Security Systems for the Highest Level of Protection

Modular Design - Fully Serviceable - Aesthetically Pleasing



**7.5 Tonne
50KP/H
(30mph)
674KJ**



**7.5 Tonne
80KP/H
(50mph)
1872KJ**

**Both Impacts were Sustained by a SINGLE SP1000 bollard
which continued to function after the tests.**

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