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# BOLLARDS

Jacksons provide a host of bollards to suit all of your needs. Each type of bollard has its own unique advantages from our static security bollards to automatic security bollards for your home providing security and peace of mind. If you require high security bollards for your premises then we can also be of assistance.

# AUTOMATIC BOLLARDS

The Beaufort standard automatic bollard represents a new generation access control solution. Many design innovations make it easy to handle and install but best of all its performance is market leading and low lifetime costs are exceptionally competitive. Activated by any access control system or signalling device, it is an alternative solution to fixed posts and barriers, allowing regulation of traffic into certain zones with high vehicle flow, (e.g. restricted areas, pedestrian areas, parking and industrial sites and many more). Available with a diameter of 275mm, and a height of 600mm or 800mm.

The Beaufort automatic concealed traffic bollard has fully integrated hydraulic technology for heavy duty usage. With a standard descent time of 2.8 seconds, there is an extra setting that activates the emergency release valve and allows a decent time of just 1 second.

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## APPLICATIONS

- ▶ Commercial premises
- ▶ Education
- ▶ Pedestrian areas
- ▶ City centres

	BEAUFORT 275 / 600	BEAUFORT 275 / 800
Drive	Hydraulic	Hydraulic
Rising time	Circa 5 secs	Circa 7 secs
Descent time	Circa 2.8 secs	Circa 3.5 secs
Power consumption	220W	220W



# STAINLESS STEEL STATIC BOLLARDS

Ideally suited for demarcation applications that have a contemporary style and are ideal for segregating pedestrians from road traffic. The stainless steel bollard standard is 1.4 metres long with a flat or domed.

All bollards can be additionally reinforced for areas where they may be subjected to damage with a single galvanised steel insert, doubling the rigidity of the bollard.

## APPLICATIONS

- ▶ Retail
- ▶ Public spaces
- ▶ City centres

CODE	DIAMETER (mm)	OVERALL LENGTH (mm)	NOMINAL HEIGHT OUT OF GROUND (mm)	CAP
138801F	101	1400	1000	FLAT
133801D	101	1400	1000	DOMED
138801S	101	1400	1000	SLOPED
133814F	114	1400	1000	FLAT
138829F	129	1400	1000	FLAT
133854F	154	1400	1000	FLAT
138829F	168	1400	1000	FLAT



# GALVANISED STEEL STATIC BOLLARDS



Ideally suited for demarcation and commercial use to prevent vehicle entry and segregation of pedestrians and vehicles the galvanised bollards can be supplied heavily galvanised to BS EN 1461 or have an additional paint finish either polyester powder coating for normal environments or marine coat for coastal or hazardous situations.

TYPE	SECTION (mm)	OVERALL HEIGHT (mm)	NOMINAL HEIGHT OUT OF GROUND (mm)	CAP	FINISH
E (Round)	Ø 178	1100 or 1500	700	Domed	Galvanised
F (Square)	100 x 100	1100 or 1500	800	Pyramid	Galvanised
H (Round)	Ø 178	1100	700	Domed	PPC as standard
J (Round)	Ø 178	1100	700	Domed	PPC as standard

## APPLICATIONS

- ▶ Commercial premises
- ▶ Education
- ▶ Pedestrian areas
- ▶ City centres

## FINISHES

- Galvanised as standard
- Polyester powder coating
- Marine coat for installations within 500m of salt water or estuary

# HARRIER PAS 68 STATIC BOLLARDS

The Harrier PAS 68 Static Bollard range is designed to protect localised areas within a perimeter with an unobtrusive barrier capable of arresting or completely halting the progress of a hostile vehicle. Used in series, the bollards are equally effective in the protection of buildings and for use in support of traffic calming measures where a reduction in vehicle approach speeds and/or direction is required.

The bollards are manufactured in our workshops using heavy gauge steel which is fully hot-dip galvanised to provide lasting protection and may be additionally colour coated or cloaked with a decorative stainless steel cover.

- Stand-alone system for outer boundary protection or target hardening within a perimeter



	TUBE DIAMETER (mm)	APPROVALS
Harrier 1	219	7500(N2)/48/90:0/0
Harrier 2	273	7500(N2)/64/90:3.3/0
Harrier 3	219	7500(N3)/64/90:4.0/16.7
Harrier 4	273	7500(N3)/80/90:10.6/11.1

## APPLICATIONS

- ▶ High risk
- ▶ Data centres
- ▶ Power stations
- ▶ Oil and Energy
- ▶ Government

## APPROVALS



## FINISHES

- Galvanised to BS EN 1461 as standard
- Polyester powder coated
- Marine coat for installations within 500m of salt water or estuary

## STANDARD COLOURS

- Black RAL 9005
- Green RAL 6005
- Other colours are available on request

# LANCASTER PAS 68 AUTOMATED BOLLARDS



The Lancaster Automatic Crash Rated Bollards are designed to protect localised areas within a perimeter with an unobtrusive barrier capable of arresting the progress of a hostile vehicle. The high security retractable bollards have been successfully tested to the highest standards for arresting vehicle attacks.

- Reliable and proven hydraulic operation
- Stand-alone system for outer boundary protection or target hardening within a perimeter
- Maybe retrofitted to reinforce any existing security fence
- Easily interfaced with a variety of dedicated access control systems
- Option to operate each bollard separately

	TUBE (mm)	HEIGHT (mm)	APPROVAL (mm)
Lancaster 2	Ø217	700	K4
Lancaster 4	Ø270	750	K8
Lancaster 5	Ø273	900	PAS 68*

\*PAS 68:2010 V/7500(N2)/80/90:7.3/21.4

## APPLICATIONS

- ▶ High Risk
- ▶ Data centres
- ▶ Power stations
- ▶ Oil and Energy
- ▶ Airport

## FINISHES

- Galvanised as standard
- Stainless steel optional extra

## OPTIONS

- Heating
- LED lighting