

# MACS AUTOMATED BOLLARD SYSTEMS LTD

SUPPLIERS OF MANUAL, LIFT ASSISTED  
AND AUTOMATIC SECURITY BOLLARDS

Protecting People and Places

**MACS**  
AUTOMATED BOLLARD SYSTEMS



# OUR RANGE OF SECURITY BOLLARDS

## **Automatic security bollards**

- Wide range of hydraulic automatic security bollards.

## **PAS 68 / IWA Crash rated security bollards**

- Range of PAS 68 and IWA 14 certified automatic bollards.

## **Semi automatic security bollards**

- Ease of use with integrated lifting mechanism.

## **Manual telescopic security bollards.**

- Often used to secure driveways and private parking areas.

# MACS 'PASS' AUTOMATIC SECURITY BOLLARDS

Telescopic security bollards have become a common and everyday sight in today's town and city centres, with many local authorities choosing to install telescopic bollards as a way of introducing traffic calming measures and pedestrian only areas.

Macs' telescopic bollards are the result of over 20 years of research and development, and the security bollards use a hydraulic system with integrated pump, making them extremely reliable for use on a wide variety of applications, and are available in a choice of sizes and with a choice of options including:

- Custom RAL colour of the bollard cylinder
- Flashing lights and sounder in the bollard head to offer additional visibility and safety
- Bollard blackout device for use in case of power failure.
- Integration with various access control options, including our bespoke bollard control and monitoring system, to give complete control
- Our PASS range of bollards have been installed in local authority and public realm schemes all across the UK for over 15 years, and are designed to be installed to Highways standards.





# COMMERCIAL & RESIDENTIAL SECURITY BOLLARDS

Premises protection is a major concern for the majority of business and property owners, which is why here at Macs we offer a range of commercial security bollards to suit almost any application and budget.

Offering both electro-mechanical and hydraulic systems, our range of security bollards and parking posts are ideal for uses on private residences, commercial premises, shop fronts, warehouses, roller shutters, car dealerships and forecourts.

Security bollards offer both a visual and physical deterrent to would be intruders, and can help prevent malicious activity. The control options available range from simple keyfobs, to intercoms and automatic number plate recognition.

Whilst the initial costs of a bollard system always have to be carefully considered, the potential savings in damages, time and disruption are worthwhile, helping you to rest easy, and we are here to guide you through the whole process, from bollard specification to recommendations for installation and commissioning.



# PAS68 / IWA14 CRASH RATED SECURITY BOLLARDS

More than ever, there is the need within the UK and elsewhere to keep both people and property safe from extreme threats such as terrorism and aggressive criminal attack, both in the public realm and on private land. Many deterrents and preventative measures are taken to combat such threats, one such option being the use of high security infrastructure to minimise the opportunity for such threats. Some applications require the use of PAS 68 bollards and IWA 14 bollards to offer even greater security. These include town centres, stadiums, embassies, airports, nuclear facilities, and other high profile buildings.

As such, we provide a range of PAS 68 bollards, IWA 14 bollards and hostile vehicle mitigation (HVM) options, using crash rated and internationally accredited bollards that are specifically designed for use in highly sensitive and vulnerable areas at risk of hostile vehicle borne threats. Our PAS 68 bollards and IWA 14 HVM systems are designed to withstand a higher usage and physical impact than standard systems, whilst still maintaining the same unobtrusive aesthetic to fit in with the local surroundings.

Certifications available include:  
PAS 68:2013  
IWA 14-1:2013  
ASTM F2656-07

# SEMI AUTOMATED SECURITY BOLLARDS

Semi-automatic, bollards are another popular option for commercial and home perimeter security.

The raising of our semi automatic bollards could not be simpler. Through the use of a key and a single gas actuator, the bollards rise out of the ground with no need for manual lifting, whilst to lower the bollards the key is used again and the bollard simply pushed down into position.

Semi automatic bollards are an ideal choice for when the lifting weight of the bollards needs to be taken into consideration. They are a simple and effective choice, allowing for easier operation, with no cabling or electrical connections required. Through continuing research and development we are able to offer high quality protection for driveways and commercial premises at an affordable price.

The bollards come in a painted or stainless steel finish, with integrated LED lights also available.





# MANUAL SECURITY BOLLARDS

Our range of manual retractable bollards combine modern aesthetics with the security and protection needed for applications such as private driveways, parking spaces, shop fronts and office buildings.

From simple fold down parking posts, to fully retractable stainless steel security bollards with integrated lock, we offer a variety of cost effective solutions.

Macs continue to develop the range of manual security bollards to ensure that the system you choose integrates seamlessly with all architectural styles whilst providing the security you require.

**”CUSTOMER SERVICE AND COMPLETE SATISFACTION IS OUR TOP PRIORITY. THANKS TO OUR FOCUS ON OUR AFTERCARE SERVICE WE HAVE A LARGE, AND GROWING, NUMBER OF REPEAT CLIENTS, THOUGH WE ARE ALWAYS READY TO WELCOME NEW AND VALUED CUSTOMERS.”**

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