

## Macs K4 275/900 Crash Rated Automatic Security Bollard



- Crash rated security bollard, with integrated hydraulic pump for ease of installation, increased reliability and intensive use.
- Sleek design and pleasing aesthetics. Suitable for a wide variety of HVM applications,
- High duty cycle, ensuring lasting performance and intensive use.
- CERTIFIED TO  
**IWA 14-1:2013 V/7200(N3)/48/90:1.0**  
AND  
**PAS68:2013 V/7500(N3)/48/90:1.0/2.5**

### EXPERT DESIGN

Macs' PAS68 crash rated security bollard. Specifically designed for use in hostile vehicle mitigation.

### VISUAL/AUDIO SAFETY

Optional features such as integrated flashing LED lights and audio sounder provide additional visibility and safety

### CUSTOM FINISH

Available in either stainless steel finish or steel painted to match any RAL colour.

### Bollard Specifications

Moving Cylinder	FE510 Steel - AISI 304 Stainless Steel
Moving Cylinder Diameter	275mm
Moving Cylinder Height	900mm
Moving Cylinder Thickness	10mm
Moving Cylinder FE510 Steel Finish	Powder Coated – Standard Anthracite
Moving Cylinder Stainless Steel Finish	Brushed Stainless Steel AISI 316 Covering
Other Optional Cylinder Finishes	Ribs on Cylinder Surface
Reflective Adhesive Strip	Yes – Height 55mm
Rising Speed	10cm/sec
Lowering Speed	25cm/sec
Manual Emergency Lowering	Yes
Connection Cable to Control Unit	Standard 10mt (Maximum 80mt)
Hydraulic Pump	Built-In to Bollard
Protection Class	IP67
Type of Use	Intensive – Life Average 3,000,000 – 2,000 Movements Per Day
Impact Resistance (Without Deformation)	250,000J
Breakout Resistance	750,000J
Operating Temperature	-40°C +70°C

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