

## Macs M50 275/1200 HVM Automatic Security Bollard



- HVM 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  
**PAS68:2013 V/7500(n3)/80**  
And  
**ASTM F2656-07 M50 (K12)**

### EXPERT DESIGN

Part of Macs' HVM security bollard range. 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 painted finish or with stainless steel covering

### Bollard Specifications

Moving Cylinder	FE510 Steel
Moving Cylinder Diameter	275mm
Moving Cylinder Height	1200mm
Moving Cylinder Thickness	25mm
Moving Cylinder FE510 Steel Finish	Powder Coated – Standard Anthracite
Other Optional Cylinder Finishes	Ribs on Cylinder Surface, AISI 304 Stainless Steel Covering 1.2MM
Reflective Adhesive Strip	Yes – Height 55mm
Rising Speed	22cm/sec
Lowering Speed	22cm/sec
Manual Emergency Lowering	Yes
Connection Cable to Control Unit	Standard 10m (Maximum 60m)
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)	700,000J
Breakout Resistance	2,000,000J
Operating Temperature	-40°C +70°C

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