



## Plain Round Bollard 1000 (Galvanised) 139mm - 219mm



### **The AUTOPA Plain Round Bollard (Galvanised) 139mm - 219mm**

AUTOPA's range of Plain Round Bollards offers a simple and cost effective means of establishing control over parking and access. Plain Round Bollards are ideal for use around pedestrian precincts, pavements, play and parking areas, as part of traffic calming measures, pedestrianisation schemes and as a deterrent to ram-raiders.

The complete range of Plain Round Bollards is available in diameters from 48mm to 406mm and is available in galvanised only and galvanised and coated finishes.

### **Options**

<b>Order Code</b>	<b>Description</b>	<b>Weight</b>
138 121 603	139mm (Ragged)	23.5kg
138 121 606	139mm (Flanged)	21.5kg
138 121 675	152mm (Ragged)	25.8kg
138 121 672	152mm (Flanged)	23.1kg
138 121 703	168mm (Ragged)	28.6kg
138 121 702	168mm (Flanged)	25.0kg
138 121 803	193mm (Ragged)	33.0kg
138 121 804	193mm (Flanged)	28.2kg
138 121 903	219mm (Ragged)	38.3kg
138 121 913	219mm (Flanged)	38.8kg

### **Accessories and installation parts**

138 100 991 M16 Expanding Bolt (4 required per post)

### **Product details**

1,000mm above ground  
400mm below ground (ragged versions)  
3mm wall thickness (139mm - 152mm versions)  
5mm wall thickness (168mm - 219mm versions)

### **Installation & use**

Ragged bollards require an excavated hole of approximately 400mm<sup>3</sup> for installation.  
Flanged bollards require bolting down to a suitable concrete surface (no less than 400mm<sup>3</sup>) by means of four 16mm bolts.  
AUTOPA recommends that bollards are placed no further than 1,200mm apart to ensure that no vehicle may pass between them.  
This product is guaranteed for 12 months (*if installed and used correctly*).



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