



# FLAT TOP BOLLARD

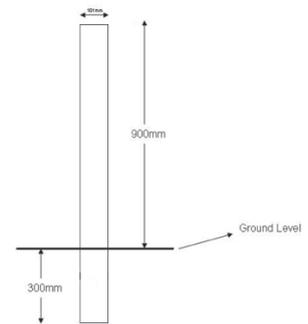


# KENT FLAT TOP BOLLARD KFTB101/3

## Specify:

Kent Flat Top Bollard KFTB101/3; 1200mm Overall Height; 3mm thick wall; Grade 316L Stainless Steel; Bright Satin Finish; Cast in 300mm Below Ground.

The Kent Flat Top Bollard is manufactured from Grade 316L Stainless Steel, 101mm diameter with a 3mm thick wall. It has a Bright Satin Finish as standard but can have 4 other finishes. The standard length is 1200mm, with 300mm being cast below ground, giving 900mm above ground. It has laser-cut pull out sprags, along with a perforation to receive the lock from a removable socket. This means this one bollard can be used as a fixed bollard or it can be easily made removable with a NAL/IPL socket.



## Features

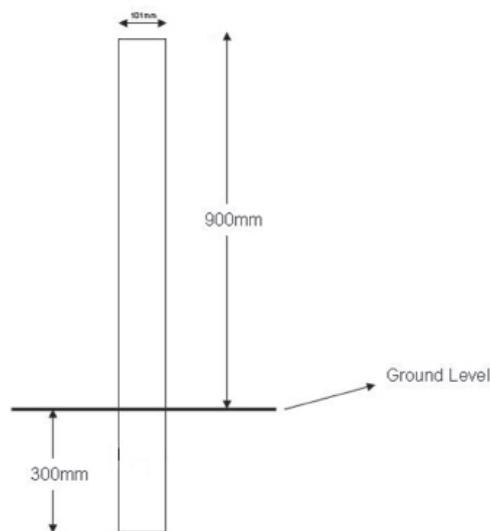
- Bright Satin Finish
- Laser cut pull out sprags
- 3mm thick flat top
- 3.05mm wall thickness
- Grade 316L Stainless Steel





Product Dimensions:

Reference	Height	Diameter	Wall thickness
Kent Flat Top Bollard KFTB101/3	1200mm	101mm	3.05
Kent Flat Top Bollard KFTB114/3	1200mm	114mm	3.05
Kent Flat Top Bollard KFTB141/3	1200mm	141mm	3.40
Kent Flat Top Bollard KFTB168/3	1200mm	168mm	3.40
Kent Flat Top Bollard KFTB219/3	1200mm	219mm	3.76



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## Bollard Installation

### Visible Flange:

- Ensure that the surface to which the bollard is mounted is sufficiently strong.
- Position the bollard in the correct location. Mark the holes and drill into the surface.
- Place the bollard directly over the holes and then fix the bollard to the surface using M12 bolts.
- Note that fixings need to be fully embedded in concrete not just the paver blocks
- Always consult with engineers specifications – we recommend a minimum of 2 times the root length and

### Buried Flange:

- Cast foundations - Always consult with engineers specifications – we recommend a minimum of 2 times the buried root length ( $300\text{mm} \times 2 = 600\text{mm}$ ) and 3 times the bollard diameter (eg  $3 \times 101\text{mm} = 303\text{mm}$ )
- Once concrete is set follow steps 1-3 as per flange detail above.
- Replace slabs to finish of bollard

### Cast In:

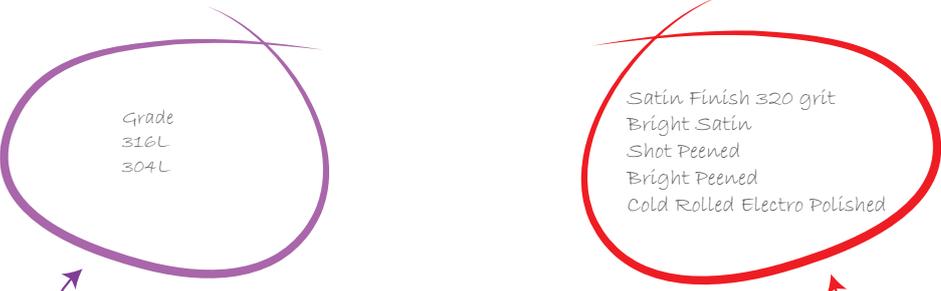
- Cast foundations - Always consult with engineers specifications – we recommend a minimum of 2 times the buried root length ( $300\text{mm} \times 2 = 600\text{mm}$ ) and 3 times the bollard diameter (eg  $3 \times 101\text{mm} = 303\text{mm}$ )
- Position your bollard in the correct position ensuring correct height and then prop the stand securely.
- Fill the hole with concrete up to the level of the underside of the pavement ensuring a good smooth surface finish.
- Remove props, replace the paving slabs, and ensure that they are well bedded in.

For Ram Raid Bollards again use consulting engineer's specification. Kent recommends minimum of 4 times the buried root length ( $300\text{mm} \times 4 = 1200\text{mm}$ ) and 6 times the bollard diameter (eg  $6 \times 101\text{mm} = 606\text{mm}$ )

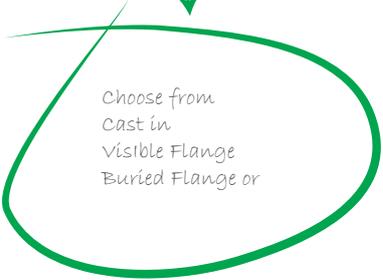
For Removable Bollards and Fold Down Coffin Bollards see their respective data pages



Product Options:

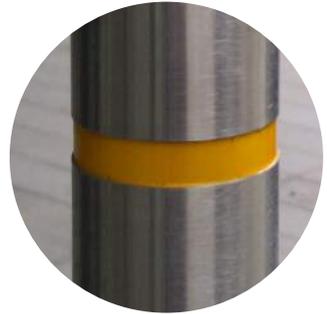


**Specify:**  
Kent Flat Top Bollard KFTB101/3; 1200mm Overall Height; Grade 316L Stainless Steel; Satin Finish 320 Grit polish;  
Cast in 300mm Below Ground.



Accessories:

Reflect Strips



Stamped Logo



# KENT FLAT TOP BOLLARD KFTB101/3

## Overview

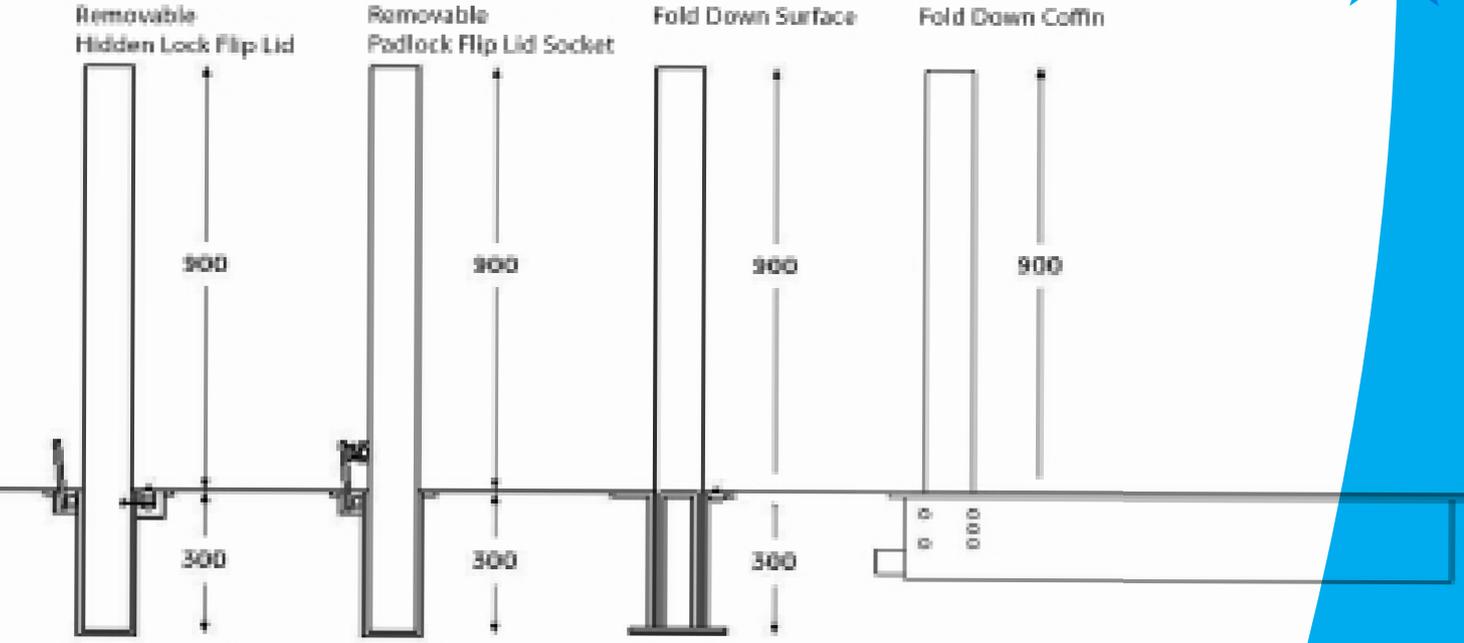
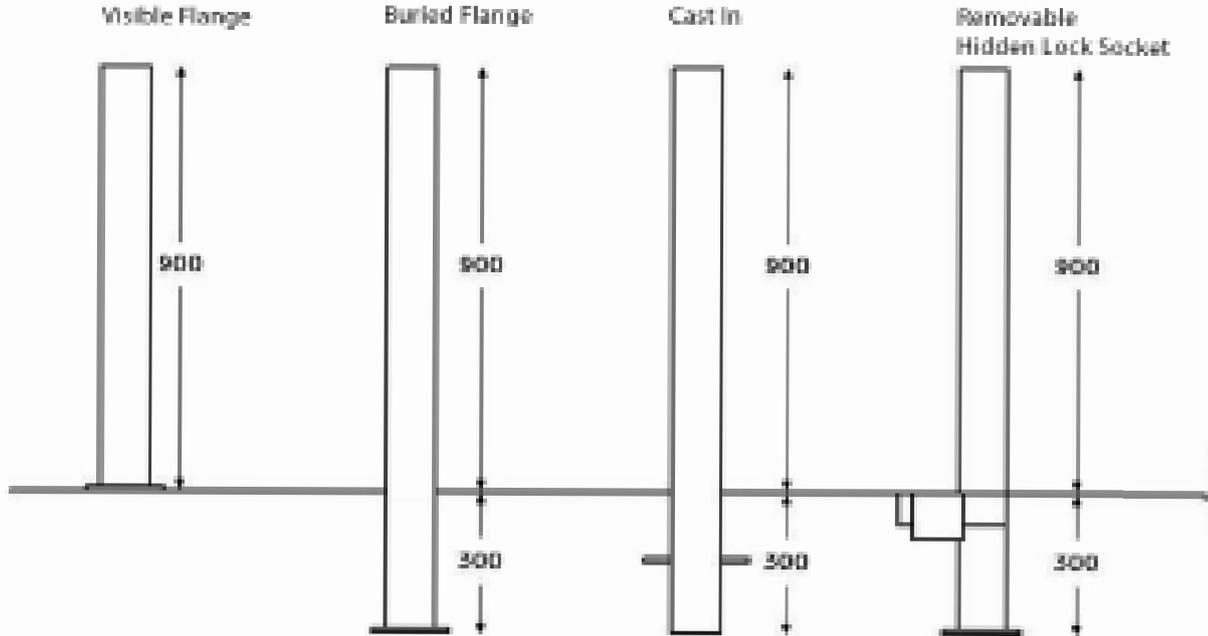
The Kent Flat Top Bollard KFTB101/3 is manufactured from 101mm diameter stainless steel with a 3mm thick wall. Grade 316L Stainless Steel as standard and Bright Satin Finish, giving an Ra value of less than 0.5. Standard length is 1200mm, with 300mm being cast below ground, giving 900mm above ground. Laser-cut pull out sprags, along with a perforation to receive the lock from a removable socket, means this one bollard can be used as a fixed bollard or can be easily made removable with a NAL/IPL socket.

## Maintenance

### Stainless Steel:

Clean the stainless steel components using warm water with a mild detergent with a non-abrasive cloth or sponge. Heavier stains may require the use of a nylon-scouring pad or a stainless steel cleaner. To remove paint or graffiti use a cloth and Alkaline or solvent paint strippers according to type of paint. In the case of a bead blasted finish, where abrasive cleaning is required, always use a random circular rubbing action with a cloth. In the case of brushed finishes the surface consists of uniform fine 'scratches' running in one direction so where abrasive cleaning is required always use a straight back and forward rubbing action in the direction of the grain using soap and warm water. Rust spots or 'tea stains' can occur on the surface of the material, these are normally caused by contamination from ordinary mild steel, particularly in areas where construction work has been undertaken. Such stains can be removed using Rust Remover 410. In cases where the surface is severely stained because of severe environmental conditions or scratched due to misuse, it may still be possible to restore the original finish using chemicals such as Oxalic Acid solution. There are many stainless steel polishes available to enhance the surface finish. We recommend Mister Stainless Ltd. as a provider for stainless steel cleaning products.

Our range of bollards





**KENT FLAT TOP  
BOLLARD KFTB101/3**

