

Retention Socket Systems

Adapter Plate For Keep Left Bollards



Applications: Traffic Islands, Pedestrian Refuge Islands, Car Parks, Roundabouts, Traffic Calming, Shopping Centres, Industrial Estates

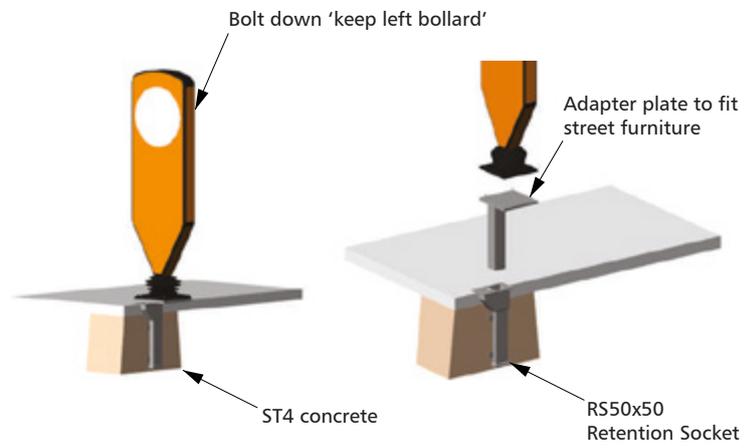
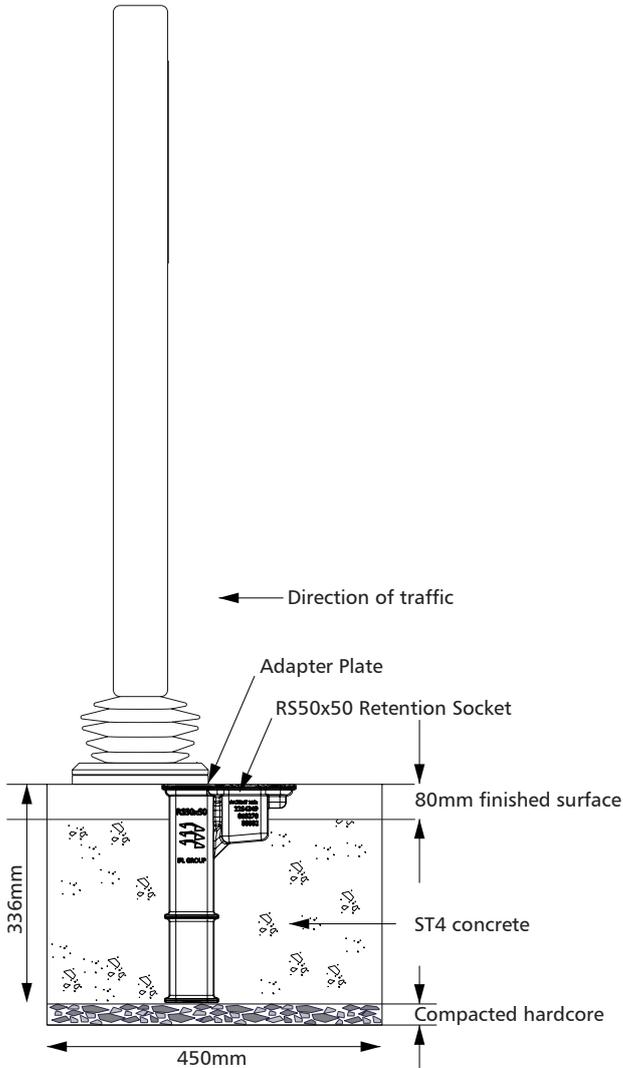
NAL provide an innovative solution for the installation of all types of non-illuminated, solar and ELV Flexible bollards. These particular types of bollards are normally located in highly vulnerable locations which are prone to repeated knockdowns. All the bollards are designed to perform well under impact, however they can require frequent civil's removal and replacement due to the failure of their traditional foundation mechanisms. This replacement can be a lengthy, expensive and disruptive process. With the NAL Retention Socket foundation and Adapter Plate, a bollard can be replaced within minutes simply with a key and spanner, eliminating the need for disruptive and costly traffic management. It also dramatically reduces the maintenance operatives time in these highly vulnerable areas on the highway network.

Advantages

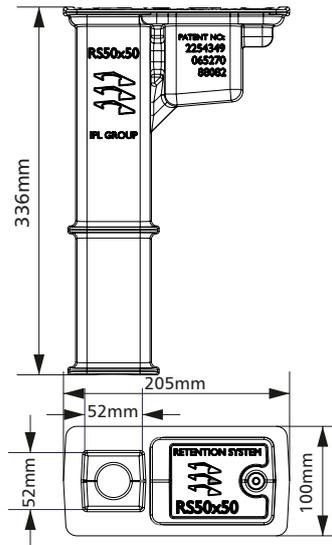
- ◆ Drastically reduces traffic management costs
- ◆ Reduces maintenance operatives time in high risk areas
- ◆ Cost effective solution over traditional foundations
- ◆ Retention Socket allows for future change



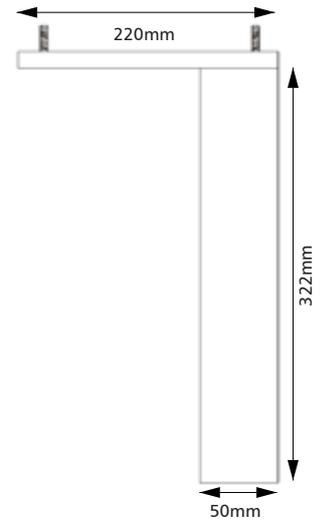
Side view (not to scale)



RS50x50 Dimensions



Adapter Plate Dimensions



Recommended Installation

The RS50x50 Retention Socket should be set into concrete generally in accordance with Standards or good codes of practices for the installation of posts.

Instructions

1. Prepare hole as shown
2. Compact at least 75mm of hard-core or gravel in base of hole
3. Place RS50x50 Retention Socket in centre of hole, ensuring that there is good clearance on all sides and hold in a vertical position
4. Place a post into socket and fasten the stainless steel bolt against the post. Ensure the post is in a vertical position
5. Cast concrete with lid lock in position and compact using a vibrating poker. Fill concrete to a level to allow for the surrounding surfacing. The concrete should be at least ST4/G25 mix or stronger. Ensure that lid is in position and compact well
6. Check the post is vertical and finish

Note: If existing ground is loose or uncompacted, a wider/deeper base of concrete should be used.



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