

Installation Instructions

Telescopic Bollards and Hoop Barriers

Rhino Telescopic Bollard Installation

1. Determine where the bollard is to be situated.
2. Check utilities/services drawings and perform a visual inspection to ensure there are none in the area. This may also require scanning the location for live cabling.
3. Excavate a cube in the substrate approximately 300mm x 300mm and 200mm deeper than the ground socket to be installed.
4. Put approximately 200mm of minimum 15mm clean loose stone into the hole for drainage purposes.
5. Lower the ground socket into the hole and check the top of ground socket is approximately 5mm above ground level.
6. Locate the ground socket centrally in the hole and ensure socket is vertical in all planes.
7. Add approximately 200mm of clean loose stone.
8. Back fill the hole, tamping down until approximately 300mm from the surface.
9. Raise telescopic bollard and check for alignment (if more than one post is to be installed).
10. Then fill the hole with grade C30 concrete, including a rapid hardening agent and sulphate resisting cement as required, medium slump and smooth off the area around the lid to allow fall away.
11. Lower the telescopic bollard into the ground socket. Please ensure the bollard and lid are kept clear of debris during installation.
12. Finish off top surface of in situ concrete to give a tight surface finish. Concrete should be protected by polythene during the first 24-hours following installation. This is particularly important during inclement and/or cold weather. Units should not be used until the concrete has cured.

STATIC AND DETACHABLE HOOP BARRIER INSTALLATION

The installation detail for hoop barriers is the same as for telescopic posts above with the exception of the excavation dimensions which should be a 500mm cube.

All excavation details are dependent on ground conditions. Installation information supplied is specified for use with products supplied by Marshalls only and can be considered as current best practice only. If any doubt remains as to a particular suitability of installation due to site conditions additional technical advice should be sought.

Rhino Telescopic Bollard Operating Instructions

To Lock

1. Lift lid, draw up inner post to full extension. Rotate handle clockwise a quarter turn. Press down push button lock.

To Unlock

1. Release push button lock with key.
2. Return key to original position by depressing slightly and remove key. Rotate handle a quarter turn clockwise.
3. Lower the post slowly and in a controlled manner. Do not allow it to free-fall into base.
4. To lock repeat step 1 from 'To Lock' instructions above.

Weekly Maintenance

1. Ensure sliding post is kept clean and free from debris.
2. Clean and lubricate lock using a lubricant similar to WD40.
3. Installations with high water tables or adverse conditions should be checked daily.
4. Always ensure that the cover plate is closed when bollard is not in use.
5. Clear any debris from around hinge and cover plate.

INSTALLATION, SPARES AND REPAIR SERVICE

A full installation, spares and repair service is available throughout mainland Britain for Rhino Perimeter Protection Products. Replacement keys are despatched within 24 hours and spares are normally despatched within 48 hours of receiving your order.