

## Installation Instructions

### Preparation & Safety

- If possible, check the architectural or survey drawings of your proposed site to ensure there are no drains, natural gas, water pipes, electrical cables or other building services directly surrounding the installation area. We recommend the use of a proprietary scanner by a qualified operator.
- If the above is not possible when deciding on the location of the barrier(s) or post(s), look for drainage covers etc and avoid installation between these points to try to avoid uncovering pipes etc.
- Keep Children away from the installation area.
- Having ensured that the position of the post or barrier is free from any services, then; -
- Dig slowly using hand tools so that if you encounter a pipe or cable you do not damage them. If you do encounter a pipe or cable re-fill and select a new location.
- If in doubt consult a qualified builder for installation of the barrier(s) or post(s).
- Warning: The barriers and posts are made of heavy weight steel and therefore please take all precautions to avoid injury by them falling over onto hands, feet etc.

### **For Removable Posts and Removable Hooped Barriers**

1. Please read 'Preparation & Safety' above.
2. Choose a location that is free from obstruction.
3. Dig the hole 127mm deeper than the length of the ground spigot.
4. The width of the hole should be at least 300mm square allowing enough room for the spigot plus filling.
5. For water drainage line the bottom of the hole with either gravel or hardcore rubble.
6. Place the spigot(s) in the hole(s) so that the surface plate is at ground level.
7. Position the barrier or post into the spigot and wedge into position using a timber prop or similar and check that it is vertical using a spirit level.
8. Fill the rest of the hole with concrete to just below the surface plate.
9. Check that the barrier is still vertical and leave for at least for at least 48 hours or until the concrete is fully set.
10. **The Concrete Mix** should be a strong mix (i.e. not too wet.) We recommend a mix of 1 part concrete to 3 parts aggregate.

The posts and barriers have been designed to act as a deterrent against theft, however theft can occur various safety security devices are fitted. This does not affect your statutory rights.

Barriers Direct can be contacted on Freefone 0800 0288010.

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### **For Fixed Posts and Fixed Hooped Barriers**

1. Please read 'Preparation & Safety' above.
2. Choose a location that will be free from obstructions.
3. Cast into concrete to a minimum depth of 310mm, 300mm square, depending on ground conditions. Beneath the concrete, there should be at least 127mm of gravel or ballast to allow for drainage
4. Check that the post or barrier is vertical using a spirit level.
5. It may be necessary to prop the barrier or post to keep it vertical until the concrete has set.
6. Please allow at least 48 hours for the concrete to set before using the barriers or posts.
7. **The Concrete Mix** should be a strong mix (i.e. not too wet.) We recommend a mix of 1 part concrete to 3 parts aggregate.

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