



# INSTALLATION GUIDE

## BOLLARD- INGROUND / INGROUND REMOVABLE - UNMADE OR GRAVEL SURFACES

### YOU WILL NEED:

- A post hole digger or shovel
- Concrete or concrete mix and water
- Spirit level
- A shovel
- A measuring tape
- Trowel
- Gravel (recommended)

### WHAT TO DO:

1. Read all the instructions from beginning to end first.
2. Determine exactly where the bollard will be placed and mark your installation positions. If you are installing more than one bollard, it is a good idea to mark the ground and use a string line to ensure that you have a straight line to assist you with the correct placement of your bollards.
3. Mark the ground at the centre point of where the bollard will sit. Your aim is to make sure that the centre of the hole is also the centre of the bollard.
4. Dig a hole in the gravel or dirt. The width of your hole should be the diameter of the base of the bollard plus 30mm and the hole should be approximately 300mm deep.
5. Prepare the concrete according to the manufacturer's instructions.
6. Place the bollard into the hole and use your level to ensure that it is vertical.
7. It is advisable to place some crushed rock or gravel at the bottom of the hole to act as drainage in the event of water seepage.
8. Shovel the concrete around the base of the bollard, moving the concrete and packing it down around the bollard as you fill the hole to surface level.
9. Ensure the surface of the concrete around the bollard is flat to eliminate any trip hazards by using a trowel to smooth off the surface.
10. Observe the cure time of the concrete, usually 48 hours, to complete the bollard installation. You may want to protect the bollard from interference during this time.

### FOR INSTALLATION IN PRE-EXISTING CONCRETE SURFACES

**WE HIGHLY RECOMMEND YOU ENGAGE A PROFESSIONAL CORE DRILLER TO COMPLETE THE  
INSTALLATION.**

**ENQUIRE ABOUT OUR INSTALLATION SERVICES.**



**TIP: FOR A SEAMLESS INSTALLATION, ENSURE YOUR BOLLARDS ARE PLACED ON A FLAT SURFACE**

Safety Xpress recommends you put the safety of yourself and others first when installing your bollards. Please be mindful of using and wearing the correct safety gear.

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