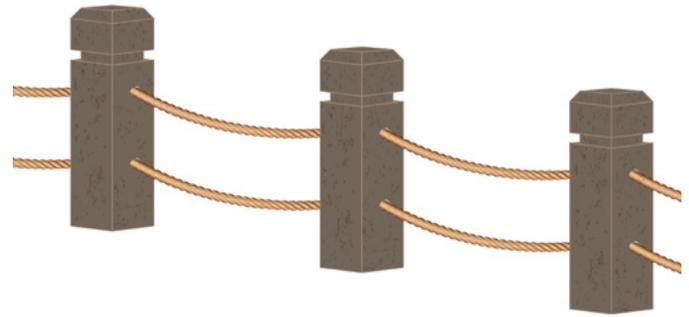


Bollard Installation Guide

PolyScape® by Bedford Plastic Bollards are decorative posts that can be used to mark boundaries, protect areas, or add aesthetic appeal to your outdoor space. They are made from recycled plastic and have the look and feel of natural wood. Unlike wood, they will not rot, crack, splinter, or warp, and they are resistant to insects, mold, and moisture. They are easy to install and maintain and can be cut, drilled, and fastened with standard tools. This guide will show you how to install a bollard in a concrete base.



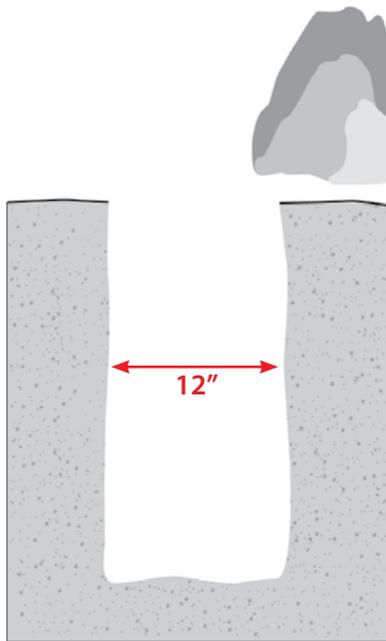
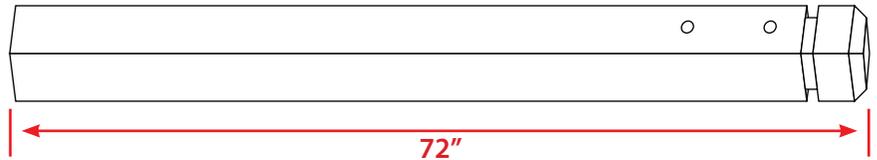
For decorative use only, not made to stop vehicles.

TOOLS & MATERIALS

- Plastic Bollard (4x4 or 6x6)
- Concrete Mix and Water
- Expansion Joint Material
- Post hole digger or auger
- Level
- Shovel
- Bucket or wheelbarrow
- Miter Saw
- Mixing tool or drill with paddle attachment
- 2-1/2" Deck Screws
- Drill and Bits

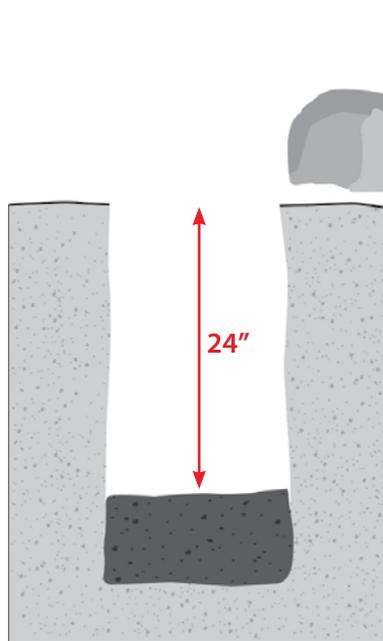


For the purpose of this instruction guide, the bollard is 6' in length (72"). The desired height is 4' showing above ground with 2' buried in the dirt.



STEP 1: Dig the Hole

Mark out the area or line where you intend to install your bollard(s). Make sure to call in a locate before digging. The hole should be at least 12" in diameter and the depth should be at least 1/3 the length of the bollard. Save the soil for backfilling later.



STEP 2: Add Fill

Measure the depth of the hole that the bollard will be installed in. Determine the length of bollard to be above ground level. Add gravel or fill to the bottom of the hole and pack at a level that will provide the appropriate final bollard height.

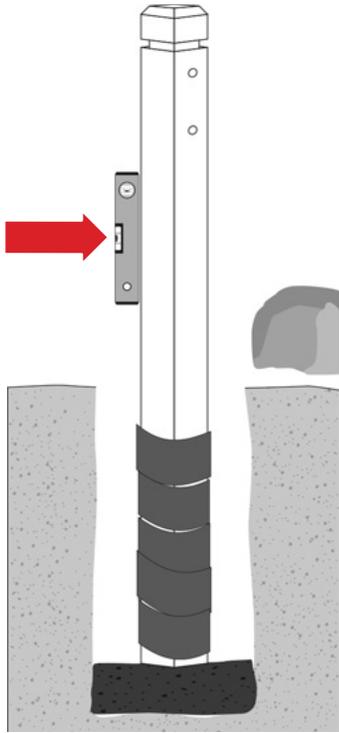
STEP 3:

Wrap Bollard

Though this step is not required, best practice is to wrap bollard base in 1/4" thick expansion joint material. This will minimize expansion and contraction of bollard to cement.



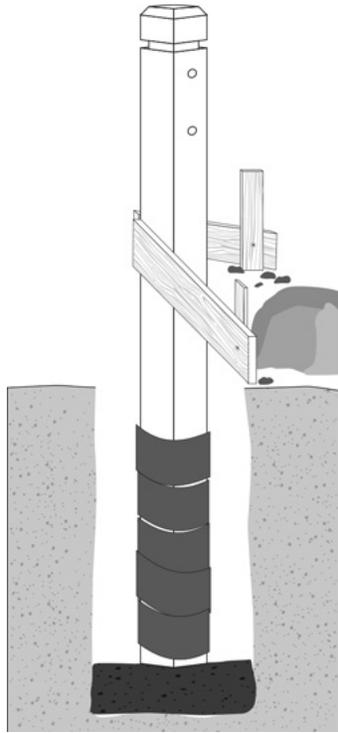
ASSEMBLY



STEP 4: Setting the Bollard

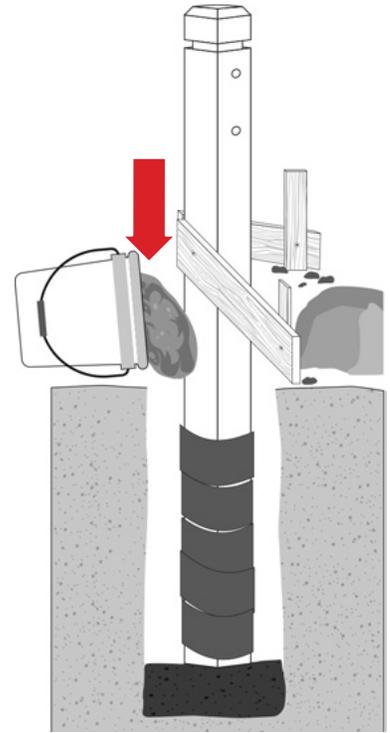
Set the bollard in the hole. The height of the bollard can be adjusted by adding or removing gravel or base fill.

Use a level to check for plumb (vertical level) and readjust to proper orientation with surroundings.



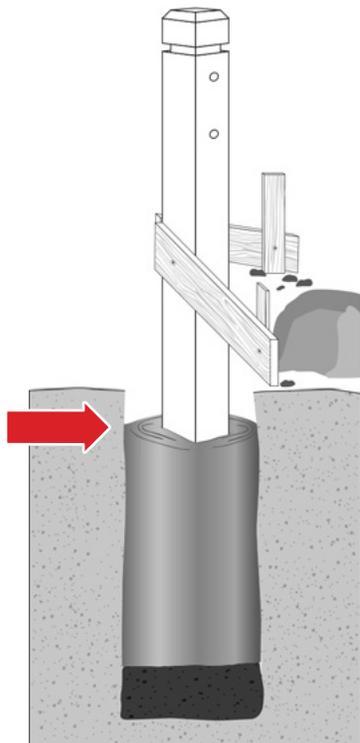
STEP 5: Setting the Bollard

You can also use wooden braces and stakes to hold bollard in correct orientation.



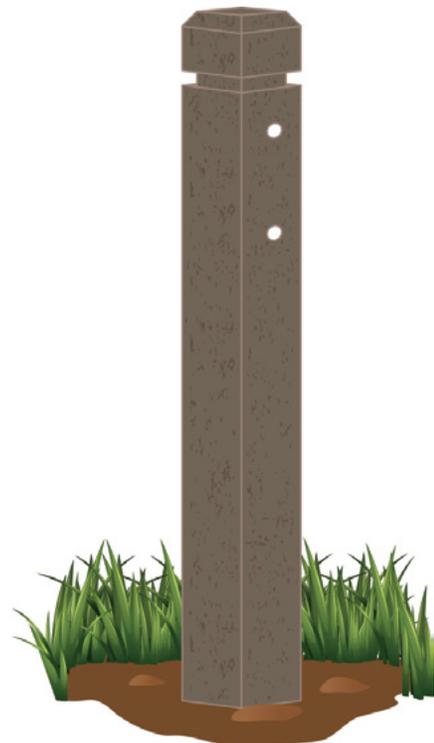
STEP 6: Setting the Bollard

Mix the concrete in accordance with manufacturer's instructions using a bucket or a wheelbarrow. Pour the concrete around the bollard, filling to about 3" below ground level.



STEP 7: Smooth & Set

Use a shovel or trowel to smooth surface and remove any air bubbles. Let concrete set for at least 24 hours or in accordance with manufacturer's recommendation.



STEP 8: Final Steps

After the concrete has cured remove any bracing or stakes securing the bollard. Backfill the remaining 3" around bollard with dirt removed during Step 1. Your bollard is now ready to use.