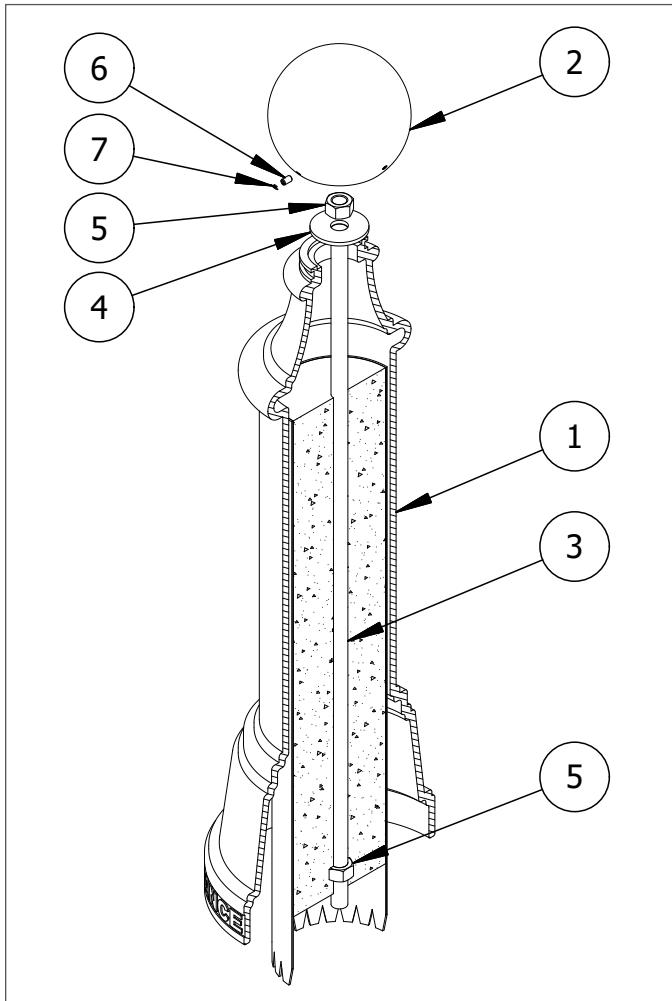


Decorative Bollard Cover Installation

Threaded Rod in New Concrete

Bollards shown in the diagrams may not be the same model as the bollards shipped in this order. This does not affect the integrity of the installation.



Parts List

#	PART	QTY
1	Decorative Bollard Cover	1
2	Decorative Bollard Cap	1
3	Threaded Bar 1"	1
4	Washer 1"	1
5	Hex Nut 1"	2
6	Hexagon Socket Set Screw	3
7	Plastic Plug	3

Installation Equipment

3/16" Hex Key	Shovel
1-1/2" Wrench	Measuring Tape



To protect the finish, keep bollard covers in packaging until exact moment of installation.

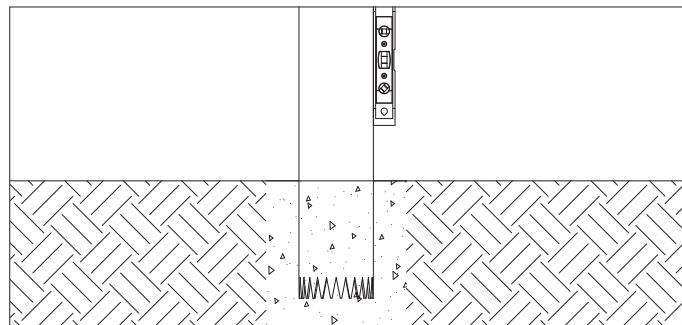


Handle with care to avoid scratching or damaging bollard cover surfaces as abrasions will lead to rust.

Before Installation

STEP 1: Examine the pre-installed pipe bollard for signs of damage. Any rust should be removed, and abrasions should be covered. If the damage is beyond repair, a new pipe bollard may need to be installed. Ensure the pipe bollard does not have any pre-existing concrete fill.

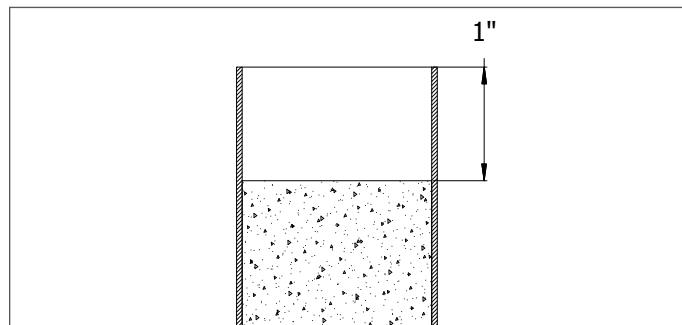
STEP 2: Hold a level vertically against the side of the pipe bollard and ensure that it is plumb. *Note: Any damage or tilting of the pipe bollard can affect the performance of the bollard cover.*



Fill the Pipe Bollard

STEP 3: Mix the concrete. Ensure that the proper ratio of water and concrete mix is used.

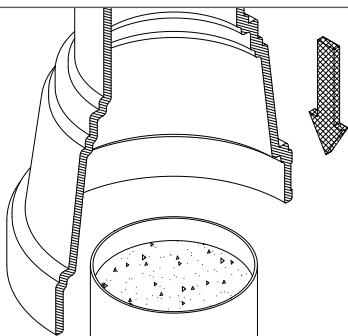
STEP 4: Using a shovel, fill the pipe bollard with concrete leaving approximately 1" of the top clear. Create a flat surface at the top.



Decorative Bollard Cover Installation

Threaded Rod in New Concrete

STEP 7 (A)



STEP 5: Clean the surface of the pipe bollard. Debris can offset measurements and the placement of the bollard cover.

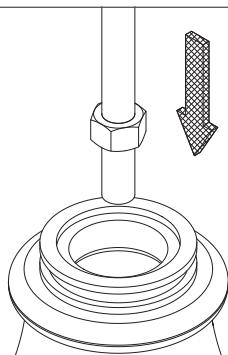
STEP 6: Keep the bollard cover in its protective packaging and place near the installation site. When ready to install, remove its protective packaging.

Install the Bollard Cover

There are two options for installing the bollard cover and inserting the threaded rod.

[OPTION 1: Insert the threaded rod after bollard cover placement]

STEP 7 (A): Lift the bollard cover and carefully lower over the pipe bollard so that the pipe bollard is centered in the bollard cover's shaft. *Note: Metal bollard covers can be heavy—ensure the proper resources are available to lift them.*

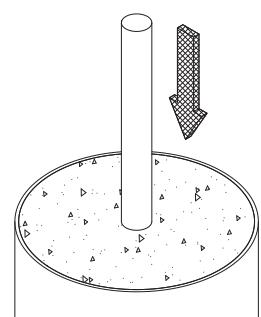


STEP 7 (B): Fix the 1" nut to the bottom portion of the threaded rod.

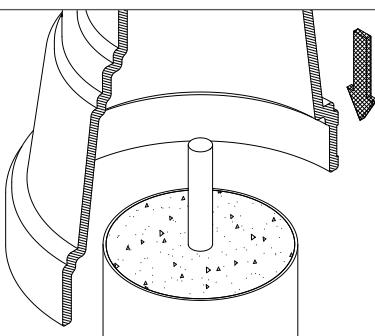
STEP 7 (C): Push the threaded rod into the concrete down the center of the pipe bollard. Leave an allowance at the top for the washer and 1" nut.

[OPTION 2: Insert the threaded rod prior to bollard cover placement]

STEP 8 (A): Fix the 1" nut to the bottom portion of the threaded rod.



STEP 8 (B): Push the threaded rod into the concrete down the center of the pipe bollard. Leave an allowance at the top for the washer and 1" nut. Check that the threaded rod is centered and ensure it is plumb.

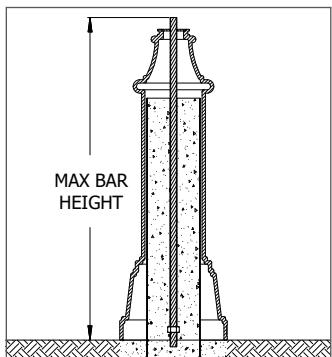


STEP 8 (C): Lift the bollard cover and carefully lower it over the pipe bollard and threaded rod. Ensure the pipe bollard is centered in the bollard cover's shaft and the bollard cover is plumb. *Note: Metal bollard covers can be heavy—ensure the proper resources are available to lift them.*

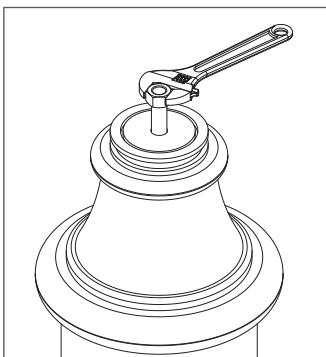
Decorative Bollard Cover Installation

Threaded Rod in New Concrete

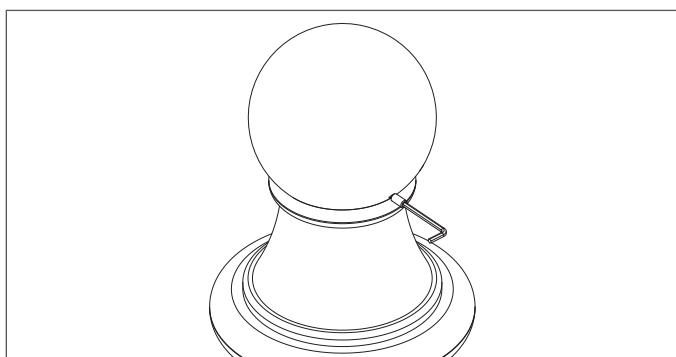
STEP 9



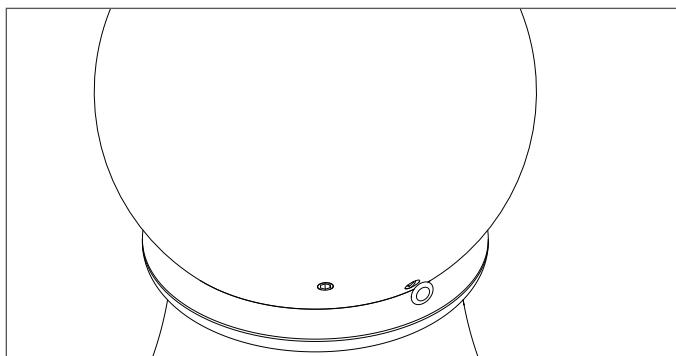
STEP 12



STEP 13



STEP 14



Secure the Bollard Cover and Cap

STEP 9: Measure the total distance from the surface grade to the top of the threaded rod. Ensure that this does not exceed the maximum measurement shown in the product drawings.

STEP 10: Place the washer over the threaded rod so that it rests on top of the shaft of the bollard cover. Apply the 1" nut to the threaded rod and hand tighten.

STEP 11: Allow a minimum of 2–3 days for the concrete to cure. *Note: Moisture in the environment and cool temperatures can significantly slow the process.*

STEP 12: Use a wrench to further tighten the 1" nut until the bollard cover is secure.

STEP 13: Remove the bollard cover cap from its packaging. Place the cap on the top of the shaft of the bollard cover. Secure and align the cap to the base with the three set screws. Tighten in equal amounts to ensure that the cap remains centered.

STEP 14: Place the plastic plugs over the set screws.



Inspect the installation. Abrasions should be covered as soon as possible. For damage repair or other servicing needs, please contact Reliance Foundry's sales department.