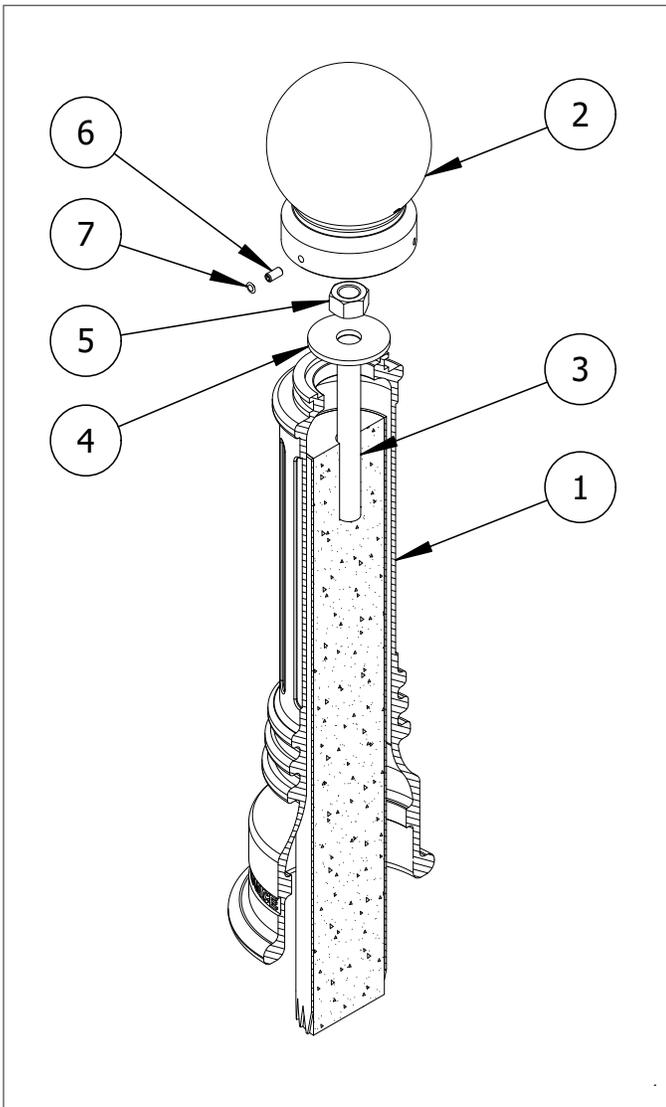


# Metal Decorative Bollard Cover Installation

## Adhesive Anchoring

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.



### Installation Equipment

3/16" Hex Key	Level
1-1/2" Wrench	Caulking Gun
1-1/8" Masonry Drill Bit	Measuring Tape
Hammer Drill or Rotary Hammer	
Adhesive Anchoring System* (included)	



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

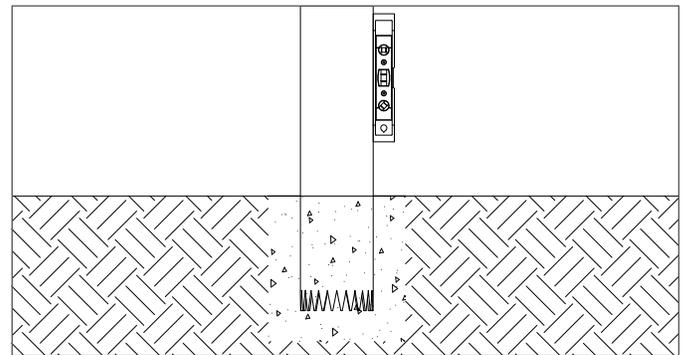


Handle with care to avoid scratching or damaging bollard cover surfaces as abrasions will lead to rust.

### 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.

**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.*



**STEP 3:** Clean and dry the pipe bollard. Debris can offset measurements and the placement of the bollard cover.

**STEP 4:** Use chalk to mark the center point on the concrete inside the pipe bollard.

*\*Please refer to the adhesive manufacturer's MSDS (included in shipment) before using.*

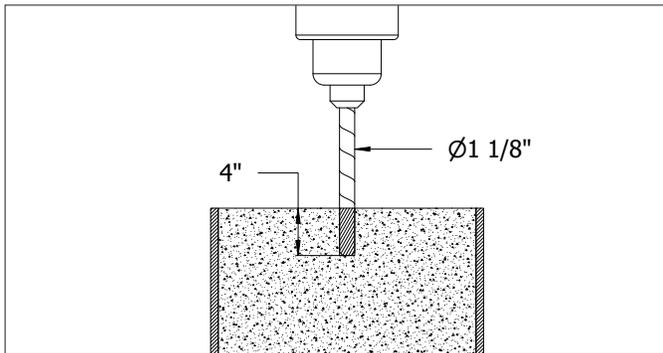
### Parts List

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

# Metal Decorative Bollard Cover Installation

## Adhesive Anchoring

STEP 7



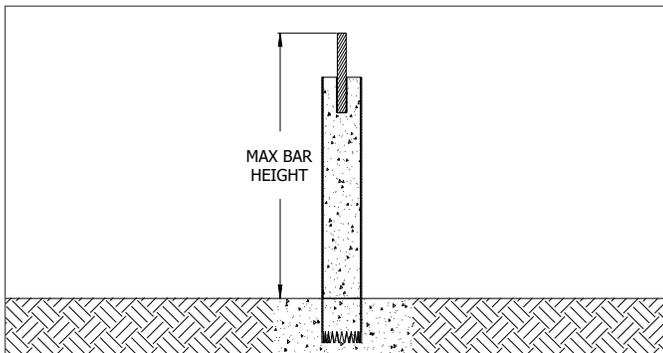
### Drill the Hole

**STEP 5:** Tap a pilot hole in the center of the hole marking.

**STEP 6:** Set the depth control on the hammer drill (or rotary hammer) to 4". If depth control is not available, mark 4" on the masonry bit.

**STEP 7:** Drill a hole that has a 1-1/8" diameter and 4" depth. Drill on high speed, using the hammer function if available.

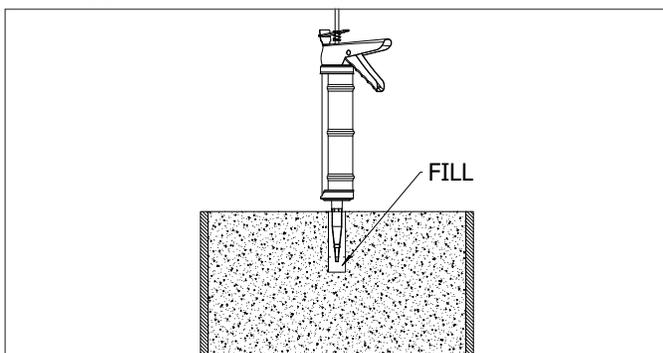
STEP 9



**STEP 8:** Clear the hole of all debris using a vacuum. Use a brush to remove any remaining loose particles.

**STEP 9:** Check that the threaded rod's length is correct by temporarily inserting the threaded rod inside the drilled hole. Measure the total distance from the surface grade to the top of the threaded rod. Ensure that this total distance does not exceed the maximum measurement shown in the product drawings.

STEP 10 (A)



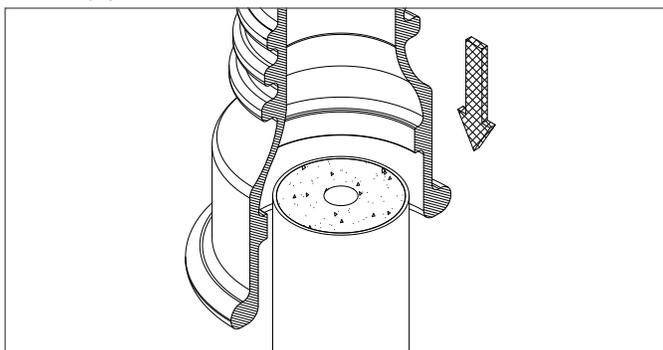
### Install the Bollard Cover

*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 10 (A):** Using the caulking gun, dispense the adhesive from the bottom up until the hole is one-quarter full. Prevent air pockets by withdrawing the mixing nozzle slowly.

STEP 10 (D)



**STEP 10 (B):** Use a cloth to clean off any residue, dust, or debris from the surface of the pipe bollard.

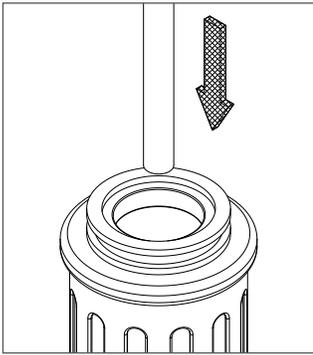
**STEP 10 (C):** Carefully place the bollard cover near the installation position. When ready to install, remove its protective packaging.

**STEP 10 (D):** Lift the bollard cover and carefully lower over the pipe bollard. *Note: Metal bollard covers can be heavy—ensure the proper resources are available to lift*

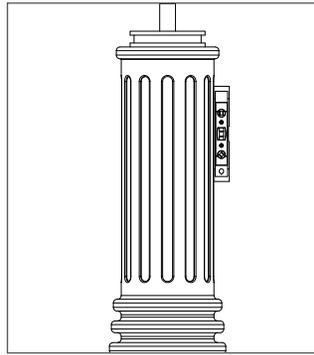
# Metal Decorative Bollard Cover Installation

## Adhesive Anchoring

STEP 10 (E)



STEP 10 (F)

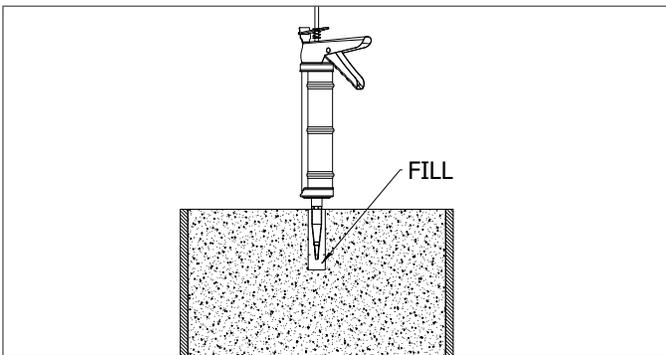


**STEP 10 (E):** Insert the threaded rod the full 4" into the drilled hole while turning for positive adhesion. The rod should be centered in the bollard's shaft.

**STEP 10 (F):** Use a level to ensure that the bollard cover is plumb and make any necessary adjustments. *Note: A minimum of 45 minutes at 68°F is required for the anchoring system to set.*

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

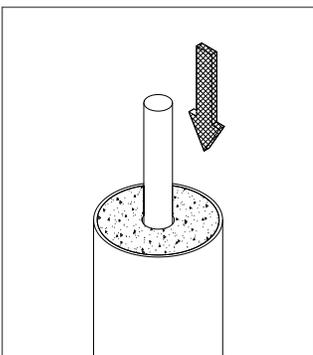
STEP 11 (A)



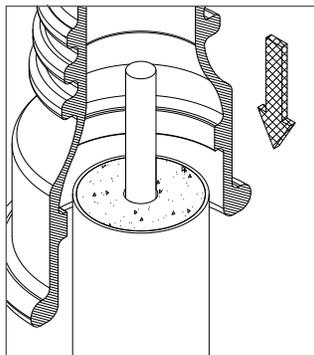
**STEP 11 (A):** Using the caulk gun, dispense the adhesive from the bottom up until the hole is one-quarter full. Prevent air pockets by withdrawing the mixing nozzle slowly.

**STEP 11 (B):** Insert the threaded rod the full 4" into the drilled hole while turning for positive adhesion. The rod should be centered in the bollard's shaft. *Note: A minimum of 45 minutes at 68°F is required for the anchoring system to set.*

STEP 11 (B)



STEP 11 (E)

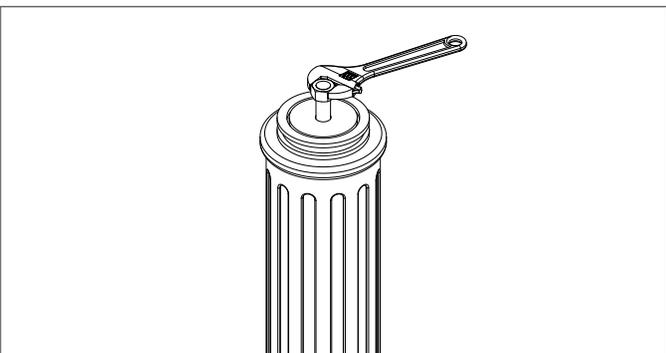


**STEP 11 (C):** Use a cloth to clean off any residue, dust, or debris from the surface of the pipe bollard.

**STEP 11 (D):** Carefully place the bollard cover near the installation position. When ready to install, remove its protective packaging.

**STEP 11 (E):** Lift the bollard cover and carefully lower over the pipe bollard and threaded rod. The top of the threaded rod should extend past the bollard's receiver hole. Ensure the threaded rod 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 12



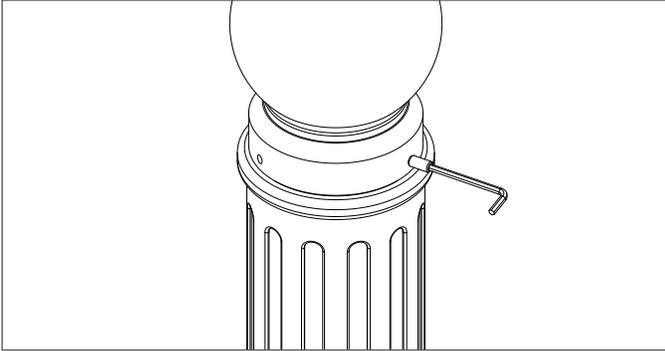
### Secure the Bollard Cover and Cap

**STEP 12:** 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 use a wrench to tighten until the bollard is secure.

# Metal Decorative Bollard Cover Installation

## Adhesive Anchoring

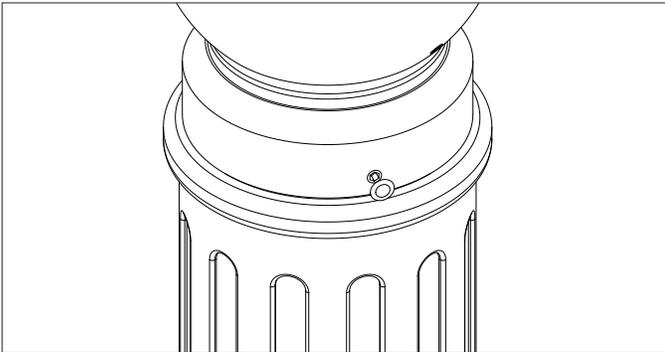
STEP 13



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

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

STEP 14



**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.