

Bollards

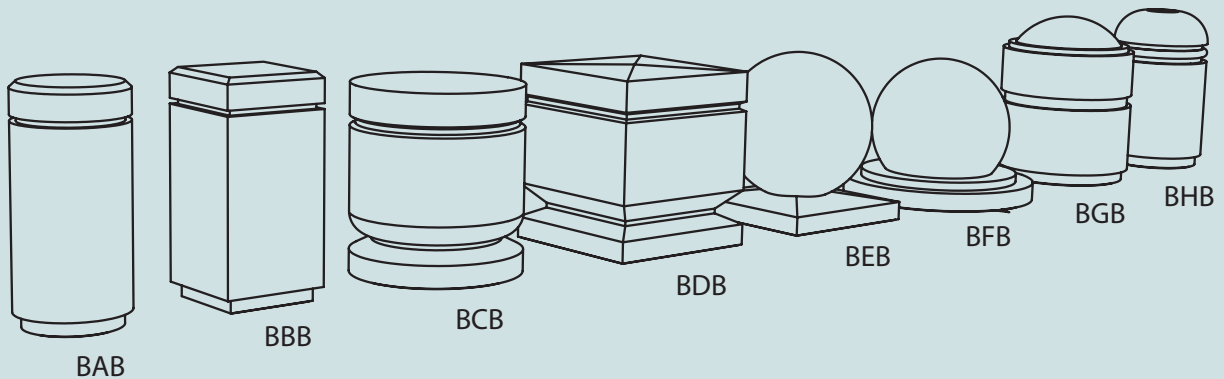
Lightweight GFRC Bollards and Decorative Bollard Covers

Stonewear bollards and bollard covers are durable, lightweight, hollow structures suitable for decorative use where movement control is required. Some designs may be used as decorative covers for ugly steel pipe bollards.



- Eight bollard design styles available
- Easy to install with two mounting options for the bollard designs
- Bollards available in any of Tournesol Siteworks' GFRC textures and colors
- Slips over anchored steel post
- Available for security barrier protection

Our easy-to-install Bollard Covers come in a wide variety of shapes and typically slip over an anchored steel post. Each of the eight standard bollard designs are shown below.



Mounting Options for Bollards

1) Mounting for decorative and pedestrian uses:

This is most easily accomplished with a urethane-based permanent adhesive. The adhesive has approximately 150 pounds of holding strength per square inch so, in most cases, several dabs around the perimeter is adequate. The adhesive approach has the advantage of being a blind fastening system.

2) Mounting for medium-security locations, covering pipe bollards:

Cover a 6" diameter steel pipe anchored in concrete. Use urethane-based permanent adhesive to seal the bollard cover to the surface.

3) Mounting for high-security locations, maximum stopping power:

The Department of Defense Anti-Ram Vehicle Barriers ASTM F2656 Standard includes the ability to stop a 4,500 lb. vehicle moving at 35 mph. The standard 8" dia. x 1/2" wall thickness steel pipe, anchored 4' in concrete, filled with concrete 3' high is designed to meet the ASTM F2656. Cover with high-security bollard cover, use urethane-based permanent adhesive to seal the bollard cover to the surface.

Optional: Removable bollards with various sizes of steel pipe are available on request. If desired, they can also be supplied with plates at ground level allowing a padlock or similar device to secure the removable bollard. Larger pipes require material handling equipment to move and store. For large holes, lightweight cast plugs can be supplied.



Bollard Dimensions - Decorative and Bollard Covers

Part No.	Security Use	Size	Weight
BAB-1430	Low or medium	30"H x 14"Dia. x 12" Base	50 lbs.
BBB-1430	Low or medium	30"H x 14"Dia. x 12" Base	60 lbs.
BCB-2427	Low or medium	27"H x 24"Dia. x 24" Base	70 lbs.
BDB-2427	Low or medium	27"H x 24"Dia. x 24" Base	85 lbs.
BEB-2427	Low or medium	27"H x 24"Dia. x 24" Base	75 lbs.
BFB-3324	Low or medium	24"H x 33"Dia. x 33" Base	80 lbs.
BGB-2430	Low or medium	30"H x 24"Dia. x 22" Base	90 lbs.
BHB-1830	Low or medium	30"H x 18"Dia. x 16" Base	80 lbs.
BFP-1438	Medium or high	38"H x 14"Dia. x 12" Base	75 lbs.



BETWEEN LANDSCAPE
+ARCHITECTURE



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