



BOL-OR-40-BK SERIES BOLLARDS INSTALLATION INSTRUCTIONS



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PRODUCT INTRODUCTION

Thank you for purchasing an Ornamental Steel Bollard (“bollard”). As the name indicates, these bollards are designed to serve as ornamentation ONLY. Each bollard conforms to generalized specifications disclosed in this manual, and fulfills our demanding standards for quality, safety and durability. Although the steps required to install the product are relatively intuitive, all persons who might participate in the installation of this bollard should apply these instructions.

Specifications for BOL-OR-40-BK model bollards appear in the table below:

Model	Socket Mounting	Usable Height in Inches (cm)	Bollard Diameter in Inches (cm)	Net Weight in Pounds (kg)
BOL-OR-40-BK	Underground	40in. (~101.6cm)	4½ in. (~11.4cm)	84 (~38.2kg)

SAFETY RECOMMENDATIONS

Failure to read and understand the instructions included in this manual before installing the bollard constitutes misuse of the product. If questions remain after you finish reading this manual, contact Vestil for answers. DO NOT attempt to resolve any problems with the bollard unless you are certain that it will be safe to use afterwards.

⚠ DANGER DO NOT contact live electrical wires, buried cables, underground gas lines, etc. during installation. Determine the locations of all underground utility lines BEFORE beginning to dig the hole for the bollard sleeve. Choose a location that is at least 3 feet away from all underground lines on all sides.

⚠ WARNING Installing the bollard safely is the responsibility of the end-user!

- DO NOT attempt to install the bollard if you cannot comfortably lift it. Determine the net weight of the bollard from the table on p. 3.
- DO NOT modify the bollard or bollard sleeve without the express, written approval of Vestil. Unauthorized modifications could render the device unsafe to use. Additionally, unauthorized modification(s) automatically voids the warranty.**

INSTALLATION INSTRUCTIONS:

STEP 1 Determine ground level: Measure the bollard socket from the top to the bottom to determine the necessary depth of the hole. (See FIG. 1 at right).

Step 2 Dig a hole for the below ground portion: Dig a 10in. x 10in. x 10in. hole (~25½ cm x 25½ cm x 25½ cm) to contain the concrete and gravel that will fix the bollard socket in position.

Step 3 Partially fill hole and set bollard: Fill the bottom of the hole with approximately 4in. of gravel.

Step 4 Install drain tube: Press a short length (approx. 2in.) of ½in. (inner diameter) PVC pipe through the hole in the bottom of the bollard socket.

Step 5 Place the socket in the hole: Set the socket in the hole with the PVC pipe extending into the gravel. The bottom of the socket should rest on top of the gravel. (See FIG. 3)

Step 6 Fill the remainder of the hole with concrete: Pour 3,000psi compression rated concrete into the hole, until the surface of the concrete should be just below the top of the socket. Check the levelness of the socket and adjust the position of the socket if necessary to make sure the socket is level. It might be necessary to brace the socket to ensure that it does not shift as the concrete cures.

FIG. 1: Determine depth of bollard socket

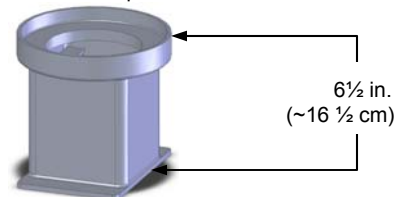


FIG. 2: Install drain tube

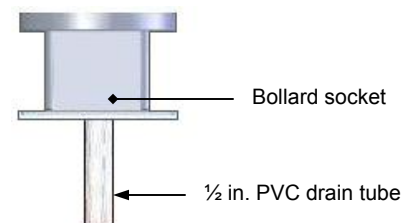
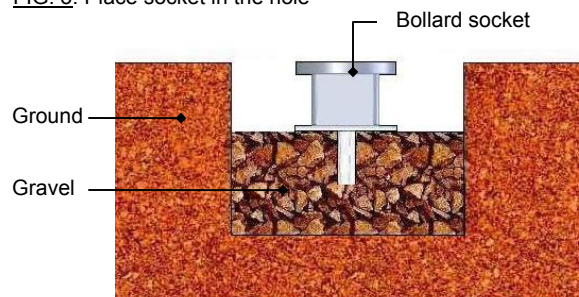


FIG. 3: Place socket in the hole



Step 5 Install the bollard: Lift the socket cover and set the base of the bollard inside the socket. Rotate the bollard so that one of the padlock loops aligns with the slot in the socket cover. (See FIG. 5). To secure the bollard to the sleeve, connect a padlock to the padlock loop that extends through the socket cover.

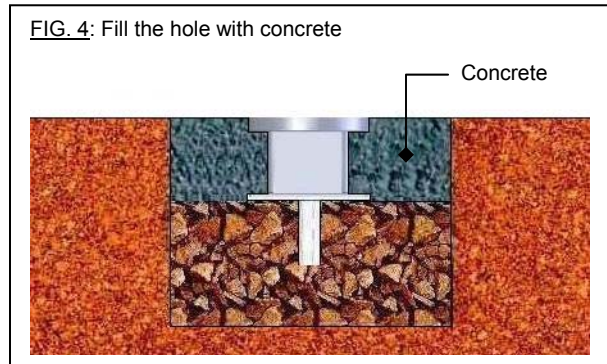
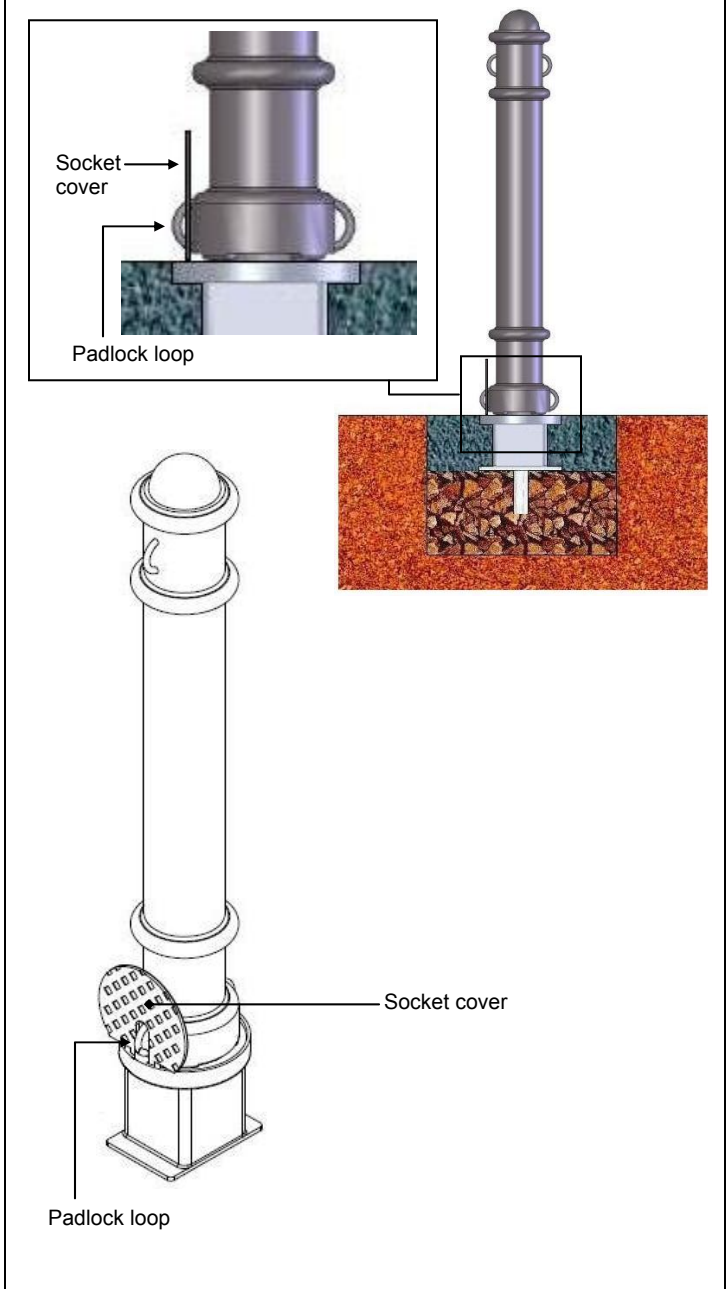


FIG. 5: Install bollard



LIMITED WARRANTY

Vestil Manufacturing Corporation (“Vestil”) warrants this product to be free of defects in material and workmanship during the warranty period. *Our warranty obligation is to provide a replacement for a defective original part if the part is covered by the warranty, after we receive a proper request from the warrantee (you) for warranty service.*

Who may request service?

Only a warrantee may request service. *You are a warrantee if* you purchased the product from Vestil or from an authorized distributor AND Vestil has been fully paid.

What is an “original part”?

An original part is a part used to make the product as shipped to the warrantee.

What is a “proper request”?

A request for warranty service is proper if Vestil receives: 1) a photocopy of the Customer Invoice that displays the shipping date; AND 2) a written request for warranty service including your name and phone number. Send requests by any of the following methods:

Mail
Vestil Manufacturing Corporation
2999 North Wayne Street, PO Box 507
Angola, IN 46703

Fax
(260) 665-1339
Phone
(260) 665-7586

Email
sales@vestil.com

In the written request, list the parts believed to be defective and include the address where replacements should be delivered.

What is covered under the warranty?

After Vestil receives your request for warranty service, an authorized representative will contact you to determine whether your claim is covered by the warranty. Before providing warranty service, Vestil may require you to send the entire product, or just the defective part or parts, to its facility in Angola, IN. The warranty covers defects in the following *original* dynamic components: motors, hydraulic pumps, electronic controllers, switches and cylinders. It also covers defects in *original* parts that wear under normal usage conditions (“wearing parts”): bearings, hoses, wheels, seals, brushes, batteries, and the battery charger.

How long is the warranty period?

The warranty period for original components is 15 days. The warranty period begins on the date when Vestil ships the product to the warrantee. If the product was purchased from an authorized distributor, the period begins when the distributor ships the product. Vestil may extend the warranty period for products shipped from authorized distributors by *up to* 30 days to account for shipping time.

If a defective part is covered by the warranty, what will Vestil do to correct the problem?

Vestil will provide an appropriate replacement for any *covered* part. An authorized representative of Vestil will contact you to discuss your claim.

What is not covered by the warranty?

1. Labor;
2. Freight;
3. Occurrence of any of the following, which automatically voids the warranty:
 - Product misuse;
 - Negligent operation or repair;
 - Corrosion or use in corrosive environments;
 - Inadequate or improper maintenance;
 - Damage sustained during shipping;
 - Collisions or other incidental contacts causing damage to the product;
 - Unauthorized modifications: DO NOT modify the product IN ANY WAY without first receiving written authorization from Vestil. Modification(s) might make the product unsafe to use or might cause excessive and/or abnormal wear.

Do any other warranties apply to the product?

Vestil Manufacturing Corp. makes no other express warranties. All implied warranties are disclaimed to the extent allowed by law. Any implied warranty not disclaimed is limited in scope to the terms of this Limited Warranty.

