

SPECIFICATIONS

Bollard Warehouse Helix Lock Deter-a-Post Removable Bollard Specification (4536 HL, 4536 HLL)

PART 1 GENERAL

1.1 SECTION INCLUDES

1.1.1 Removable bollards and ground sleeves

1.2 PART SPECIFICATIONS

1.2.1 High-Density Polyethylene (HDPE) – bollard post

1.2.2 ASTM A513 Type 5 – bollard ground sleeve & filler piece

1.2.3 ASTM A500-10 & ASTM A1011-10 – helix lock insert

1.3 PERFORMANCE REQUIREMENTS

1.3.1 HDPE Bollard post will remove from ground sleeve to provide a flush surface when the post is replaced by the galvanized filler piece.

1.3.2 Unlock helix with custom allen wrench to enable bollard removal. Reverse the process to lock the bollard in place.

1.4 SUBMITTALS

1.4.1 Submittals document can be found at www.bollardwarehouse.com under “document library” or enclosed with bollard purchase. Follow manufacturer’s specifications and installation instructions as required.

1.5 QUALITY

1.5.1 Bollard post, ground sleeve and filler piece must be supplied by Bollard Warehouse to provide consistent quality in appearance and performance.

1.6 DELIVERY, STORAGE AND HANDLING

1.6.1 Inspect materials upon receipt ensure that the correct materials have been received and that they are in good condition.

1.6.2 If not installing immediately, store units to avoid damage from other construction activities and elements.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- 2.1.1 Bollard Warehouse, Inc., P.O. Box 298, Batavia, IL 60510, Tel 888-290-6420, Fax 888-290-6422, Website: <http://www.bollardwarehouse.com>
- 2.1.2 The Bollard Warehouse Helix Lock Deter-a-Post is available with both a ground sleeve / filler piece and a lidded ground sleeve. The architect should specify the following models:
 - 4536 HL – 4.5” OD, Removable Helix Lock with ground sleeve and filler piece.
 - 4536 HLL – 4.5” OD, Removable Helix Lock with lidded ground sleeve.

2.2 MATERIALS

- 2.2.1 Plastic Tube: High-Density Polyethylene
- 2.2.2 Steel Tube: ASTM A513, Type 1, ASTM A500-10
- 2.2.3 Steel Plate: ASTM A1011-10

2.3 FABRICATION

- 2.3.1 After fabrication all ground sleeve and filler piece units are Hot-Dipped Galvanized

PART 3 EXECUTION

3.1 INSTALLATION

- 3.1.1 Comply with manufacturer provided instructions and drawings.
- 3.1.2 Ground sleeves should be installed with the top of the sleeve set flush with the finished surface.
- 3.1.3 Ensure that a minimum of a 3” gravel base is set prior to installation to ensure drainage of the ground sleeve unit, per installation details.
- 3.1.4 Bollard should not be inserted into the ground sleeve until it is leveled and fully cured. Attach bollard per manufacturer instructions.

3.2 SITE STORAGE AND PROTECTION

- 3.2.1 Upon receipt of bollard unit(s) all materials should be thoroughly inspected to ensure that all parts have been received in good condition.
- 3.2.2 Store units in a dry location away from possible damage until the time of installation.