

SPECIFICATIONS

Bollard Warehouse Helix Lock Square Post Removable Bollard Specification (3336HL)

PART 1 GENERAL

1.1 SECTION INCLUDES

1.1.1 Removable bollards and ground sleeves

1.2 PART SPECIFICATIONS

1.2.1 ASTM A500 – bollard post 1/4" wall

1.2.2 ASTM A500 – bollard ground sleeve, 3/16" wall

1.2.3 ASTM A36 - lid assembly

1.3 PERFORMANCE REQUIREMENTS

1.3.1 Bollard will remove completely from ground sleeve and provide flush surface when galvanized lid drops down or filler piece is inserted.

1.3.2 Unlock helix with custom allen wrench. To replace the bollard, make sure the bollard is still unlocked, replace, and lock the helix to secure the bollard in the ground sleeve.

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 Square Post is currently available in one model. The architect should specify the following models:
 - 3336HL – 3" x 3" square post, Removable / Locking

2.2 MATERIALS

- 2.2.1 Steel tube: ASTM A500 – bollard post 1/4" wall
- 2.2.2 Steel tube ASTM A500 – bollard ground sleeve, 3/16" wall
- 2.2.3 Steel plate ASTM A36 - lid assembly

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.