

## SPECIFICATIONS

### TrafficGuard®, Inc. 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.trafficguard.net](http://www.trafficguard.net) 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 TrafficGuard® 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 TrafficGuard® Inc., P.O. Box 201, Geneva, IL 60134, Tel 877-727-7347, Fax 800-814-7194, Website: <http://www.trafficguard.net>
- 2.1.2 The TrafficGuard® 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.