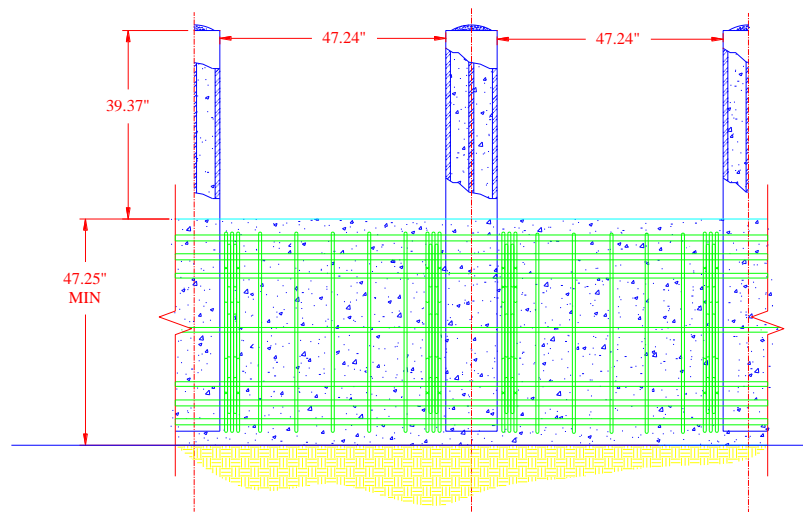




# Specification & Procurement Guide

## ASP DS22 K12 Fixed and Removable Bollards



## **1.0 Scope**

This specification defines the procurement of a U.S. Department of State designed HIGH SECURITY Bollard manufactured by Ameristar Perimeter Security USA, Inc.

ASP DS 22-FIXED

ASP DS 22-Removable

### **System Configuration:**

The basic system comprises of one Fixed or removable High Security Bollard. Multiple bollards can be installed in an array to create a secure area according to security and project requirements.

### **Bollard Construction:**

The bollards shall be 10.75" diameter. Bollard Height is 39.4" the bollards shall be constructed of heavy gauge steel fully welded prior to priming & painting or optional hot dip galvanizing. Galvanizing shall comply with ASTM 123 specifications.

### **Installation:**

A scan should be performed prior to excavation to make sure the installation site is free of any obstacles. ASP DS22 Bollards shall be installed according to manufacturer's supplied installation/foundation drawings.

### **Performance:**

ASP DS 22 Fixed and removable bollards shall perform to K12 performance specifications as defined by US department of State.

### **Experience:**

The bollard system shall be based on the Department of State design and meet K12 or M50/P1 requirements. The manufacturer shall be a company specializing in the supply of vehicle barrier systems with a minimum of 10 years' experience in the manufacturing of such systems.

### **Accreditation:**

The bollard system(Bollard tubes and foundations) have been designed to the K12 performance (15000lbs at 50mph) High Energy Attack listed in USDOS Standard SD-STD-02.01 and be listed on the US Department of State list of acceptable barriers.

The bollard(s) by accreditation are capable of stopping and immobilising vehicles with weight and velocity characteristics as described above. The bollard(s) are designed to destroy the front suspension, steering linkage and engine casing.

The bollard(s) system is designed to stop a vehicle attacking, with weight and velocity characteristics as described above, from either direction.

### **3.0 Quality Assurance**

#### **Testing/Quality assurance:**

Upon completion of the system build the bollard system will be fully quality checked at the manufactures facility.

#### **Shipment:**

ASP DS 22 bollards will packaged in a sufficient manner for transport domestically so that the risk to damage is minimal. Export shipments can be crated and be of sufficient structural integrity to be lifted and transported by overhead crane or forklift truck without failure.

#### **Warranty:**

ASP DS 22 fixed and removable bollards are warranted against defects in material and workmanship for a period of the lesser of 1 year from the date of substantial completion, or 1.5 years from the date of shipment. See Ameristar Security Products website for full warranty details

#### **Servicing & System Care:**

All parts are able to be replaced with Ameristar fitted parts. If any other manufacturer parts are fitted to the unit, this will invalidate the year warranty.

If the site which the bollards are installed within becomes the property of a third party after the initial sale – the site must be re-registered with Ameristar for the warranty to be valid.

#### **Drawings & Installation Data:**

Installation instructions and site specific layout drawings can be provided by the manufacturer upon request.

A full operation and maintenance manual will be issued on handover of the system.

#### **Disclaimer:**

This type of equipment is designed for security use and while it is possible to integrate a number of safety features into the system design, it is generally better to provide adequate traffic calming measures, signage, area illumination and traffic lights to warn users of the potential hazards.

Ameristar can provide information on safety systems to suit most sites/ applications on request.

It is strongly recommended that advice is taken from relevant security or safety engineers with regard to the system design, alternatively Ameristar would be pleased to provide such information- contact Sales department at our Tulsa office.

Bollards shall be purchased from:

**Ameristar Security Products**

1555 N Mingo Road,

Tulsa, OK 74134

Ph: 888-333-3422 Fax: 877-926-3747

[www.ameristarsecurity.com](http://www.ameristarsecurity.com)