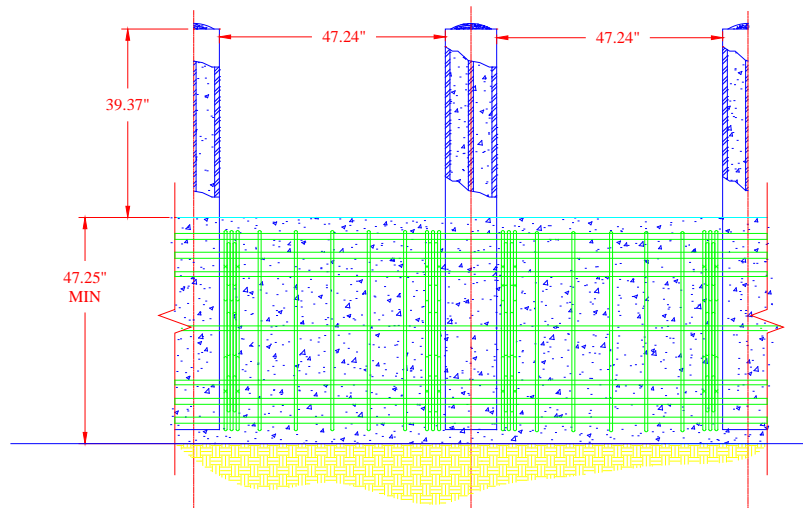




AMERISTAR[®]
SECURITY PRODUCTS
A DIVISION OF AMERISTAR FENCE PRODUCTS

Specification & Procurement Guide

ASP DS22 K12 Fixed Bollard



1.0 Scope

This specification defines the procurement of an IMPACT TESTED – IMPACT CERTIFIED – HIGH SECURITY Bollard.

ASP DS 22

The basic system comprises of one Fixed High Security Bollard.

2.0 System Configuration

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 cutting the hole to make sure the installation site is free of any obstacles. Site specific drawings for the excavation must be supplied by the purchaser indicating the depth and the width required for the run of bollards. The excavation should be measured at regular intervals to ensure the correct width and depth is achieved.

Performance

Experience

The bollard system shall be crash test certified to K12 or M50/P1 document. The manufacturer shall have systems installed and in operation in the globally with documented logs of all major components and design features.

Accreditation

The bollard system and design have successfully crash tested to the K12 performance (15000lbs at 50mph) High Energy Attack

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

Upon completion of the system build the bollard system will be fully quality checked at the manufactures facility. The client will be invited to the Factory Acceptance Test for signing off to verify manufacture quality.

Shipment

The system will packaged in a sufficient manner for transport in the GLOBALLY so that the risk to damage is minimal. Export shipments shall be crated and be of sufficient structural integrity to be lifted and transported by overhead crane or forklift truck without failure.

4.0 Warranty

The system shall carry a full 12 months parts warranty.

5.0 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 required the warranty can be extended by contacting our customer service team.

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.

6.0 Drawings & Installation Data

Installation instructions and site specific layout drawings shall be sent to the purchaser within four weeks of placing an order.

A full operating manual will be issued on handover of the system.

7.0 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.

8.0 Procurement Details

Bollards shall be purchased from:

Ameristar Security Products

1555 N Mingo Road,

Tulsa, OK 74134

Ph: 918-835-0898 Fax: 918-835-1002

www.ameristarsecurity.com