

# Procurement Specification for S40 Static Bollard

## A. Requirement

This document is to be used to specify the physical requirements of the S40 Static Bollard

The S40 static bollard is used to protect infrastructure where the threat has been assessed as a 7500kg vehicle travelling at 64KPH.

The bollard is to have been independently tested using full scale vehicle impact test standards

## B. Bollard Unit

### B.1 Bollard Construction

The Bollard is to be constructed using CHS steel S355J2H.

The Bollard is to be installed within the approved foundation

On impact, the forces exerted on the Bollard will be distributed through the foundation. The Bollard should be designed to absorb / withstand impacts from both US and European manufactured vehicles taking into account the varying weight distribution of both styles.

### B.2 Bollard Height

The height of the bollard above finished grade will be a minimum of 1200mm to minimise the possibility of site penetration and to ensure that higher chassis vehicles are restrained.

### B.3 Bollard Diameter

The diameter of the bollard will be between 273mm

### B.4 Finish

The Bollards are to be finished with an anti-corrosion paint, and can be sleeved with a RAL colour of customers choice

**C. QA**

The manufacturer's quality system must be certified to ISO 9001.

**C1.0 Despatch**

The bollards will be packed ready for despatch with cardboard sheeting strapped to the outer casing for protection. The structure will be substantial enough to enable lifting from below without incurring damage

**D. Disclaimer**

This type of equipment is designed for high security use and must be installed within the approved foundation

It is strongly recommended that advice is taken from relevant security or safety engineers with regard to the installation environment, alternatively Avon Barrier Corporation would be pleased to provide such assistance

**E. Procurement Source**

The S40 Static Bollard can be purchased from the following sources:

Avon Barrier Corporation Ltd  
Unit A  
Blackfriars Road  
Bristol  
BS48 4DJ  
UK  
Tel +44 117 9535252

Email [sales@avon-barrier.co.uk](mailto:sales@avon-barrier.co.uk)