

## INSTALLATION INSTRUCTIONS SURFACE MOUNT BOLLARD

### **MOUNTING SURFACE:**



MOUNTING SURFACES MAY VARY FROM SITE TO SITE. THE MOST RIGID METHODS WILL RESULT IN BOLLARD STABILITY UNDER NORMAL USAGE. IMPACT BY SNOWPLOWS IS NOT NORMAL.

### **IDEAL MOUNTING SURFACES:**

- FLAT SURFACE THAT DOES NOT MOVE SUMMER OR WINTER.
- 4" CEMENT OR 4" ASPHALT ON A FIRM BASE.
- ASPHALT MUST BE MORE THAN ONE YEAR OLD.

### **OTHER MOUNTING SURFACES:**

BOLLARDS BEING INSTALLED ON A NEARLY FLAT SURFACE WILL CONFORM TO GRADUAL SURFACE CONTOURS.

REF#	QTY	DESCRIPTION
1	1	BOLLARD
		HARDWARE KIT
2	4	 9/16" FLAT WASHER
3	4	 1/2" X 8" LAG BOLT
<i><b>Note: Bollards should not be mounted in gravel or any surface where bolts go below driving surface material.</b></i>		

### **INSTALLATION INSTRUCTIONS USING HARDWARE PROVIDED:**

USE THE PRE-DRILLED HOLES ON THE BOLLARD AS A GUIDE FOR DRILLING HOLES INTO ASPHALT OR CONCRETE.

#### **ASPHALT INSTALLATION:**

1. DRILL 1/2" HOLE, 7" DEEP, WITH MASONRY BIT.
2. PLACE BOLLARD OVER HOLES.
3. INSERT LAG BOLTS AND WASHERS AND SECURE.

#### **CONCRETE INSTALLATION:**

1. DRILL A 9/16" HOLE, 7" DEEP, WITH A MASONRY BIT.
2. PLACE BOLLARD OVER HOLES.
3. INSERT LAG BOLTS AND WASHERS AND SECURE.

### **MOUNTING BOLT VARIATIONS:**

AREAS WITH 2" OF ASPHALT ON SAND, LOOSE DIRT, CLAY, ETC. SHOULD BE PREPARED WITH CAISSON-TYPE FOOTING OF CEMENT. WHEN SET UP THE CEMENT CAN BE DRILLED TO ACCOMMODATE ALL EXPANSION BOLT SYSTEMS. IN SOME CASES A LARGER FOOTING MAY BE NECESSARY TO ENCOMPASS SOLID SUPPORTING GROUND AREA. UNCRACKED CEMENT OF 4" AND GREATER SHOULD BE SUFFICIENT TO HOLD THE EXPANSION BOLT SYSTEM.

*Your 100% recycled plastic bollard will give you many years of pleasure and pride,  
knowing that you did your part in keeping plastic waste out of landfills and protecting our environment.*

