

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
	HBOL	HARDWARE KIT
2	4	 9/16" FLAT WASHER
3	4	 1/2" X 5" LAG BOLT
4	4	 PLASTIC ANCHOR (MOLLIES)
<i>Note: Bollards should not be mounted in gravel or any surface where bolts go below driving surface material.</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, 5" DEEP, WITH MASONRY BIT.
2. INSERT PLASTIC ANCHORS FLUSH WITH ASPHALT.
3. PLACE BOLLARD OVER PLASTIC ANCHORS.
4. INSERT LAG BOLTS AND WASHERS AND SECURE.

CONCRETE INSTALLATION:

1. DRILL A 9/16" HOLE, 5" DEEP, WITH A MASONRY BIT.
2. INSERT PLASTIC ANCHOR FLUSH WITH CONCRETE.
3. PLACE BOLLARD OVER PLASTIC ANCHORS.
4. 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 AT LEAST 6" DIAMETER X 10" DEPTH 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 speed bump 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.

