**LIGHT COLUMN BOLLARD**

**SURFACE MOUNT WITH J-BOLTS INSTALLATION INSTRUCTIONS**

**MATERIALS INCLUDED**
- a  
- b  
- c

**TOOLS NEEDED**
- template (upon request)  
- masking tape  
- 3/4" socket  
- strap wrench  
- silicone RTV sealant (optional)

**STEP BY STEP** FOR ALL STANDARD LIGHT COLUMN BOLLARDS

1. **Pour concrete footer**
   - Mix and pour concrete footer according to concrete manufacturer’s instructions.
   - A sufficient footer size depends on frost and other conditions to be determined by the installer.
   - A minimum of a 12" diameter x 20" deep footer is recommended for Series 500 bollards; minimum of a 13" diameter x 20" deep footer is recommended for Series 600 bollards.

2. **Insert J-bolt anchors**
   - Insert 1/2"-13 x 18" galvanized steel J-bolt anchors (a) into concrete.
   - Use template (included) to position J-bolt anchors in proper locations. Tops of J-bolt anchors must be a minimum of 1-1/4" above concrete surface.
   - Allow concrete to set completely, in accordance with concrete manufacturer’s instructions, before moving to step 3.

3. **Slide bollard onto J-bolt anchors**
   - Slide bollard base plate over J-bolt anchors and lower bollard to concrete level.
   - Carefully use masking tape to tape escutcheon cover further up the body until installation is complete.
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**4. Attach bollard**
- Slide 1/2” washer (b), then thread 1/2”-13 nut (c) onto each J-bolt anchor.

**5. Tighten nuts**
- Use 3/4” socket and socket wrench to tighten all nuts until snug.

**6. Attach escutcheon cover (optional)**
- Apply a thick bead of silicone RTV sealant around the vertical edge of the base plate.
  - NOTE: Leave four 1/2” gaps to allow for water drainage.
- Lower escutcheon cover to ground level and wipe away any excess sealant.
STEP BY STEP FOR ALL STANDARD LIGHT COLUMN BOLLARDS

7. Remove top cap and lens
   - Use strap wrench to unscrew stainless steel top cap by turning counterclockwise.
   - Remove top cap and lens.

8. Insert lamps
   - Insert or replace lamps.

9. Replace lens and top cap
   - Replace lens.
   - Place stainless steel top cap on top of bollard and twist clockwise. Tighten with strap wrench.