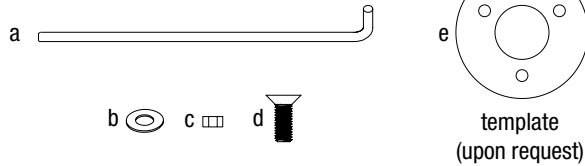


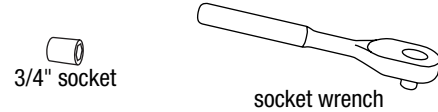
HELIO™ BOLLARD, SERIES 1200

SURFACE MOUNT WITH J-BOLTS INSTALLATION INSTRUCTIONS

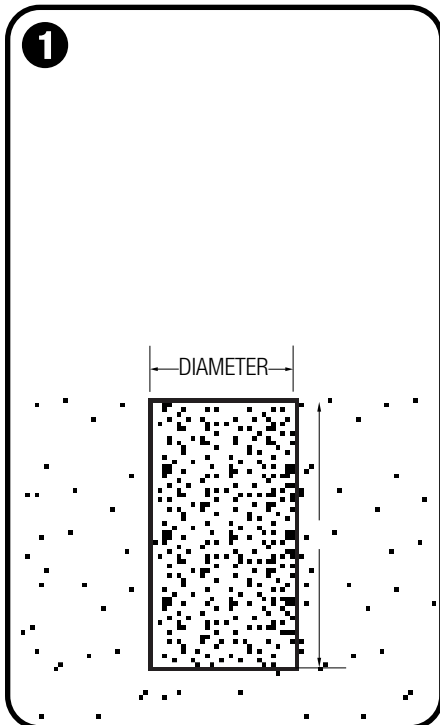
MATERIALS INCLUDED



TOOLS NEEDED

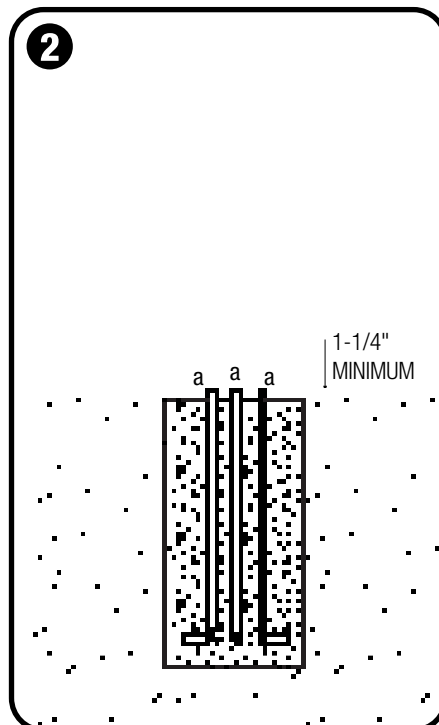


STEP BY STEP FOR ALL SURFACE MOUNT SERIES 1200 HELIO BOLLARDS



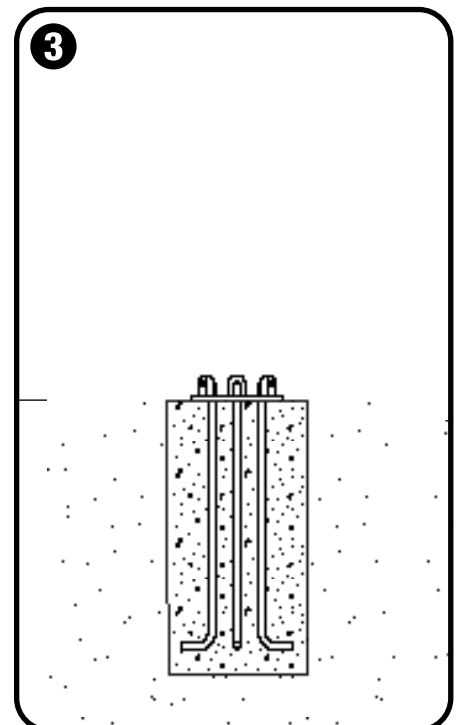
Pour concrete footer

- 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 16" diameter x 20" deep footer is recommended.



Insert J-bolt anchors

- Insert 1/2"-13 x 18" galvanized steel J-bolt anchors (a) into concrete.
- Use template 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.



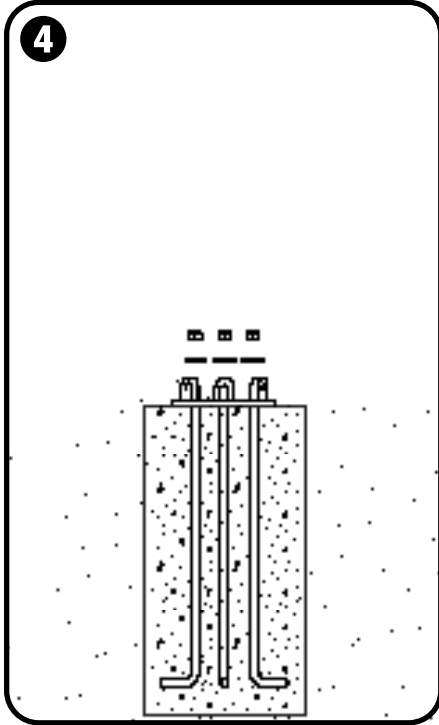
Slide base onto J-bolt anchors

- Slide base base plate over J-bolt anchors and lower base to concrete level.

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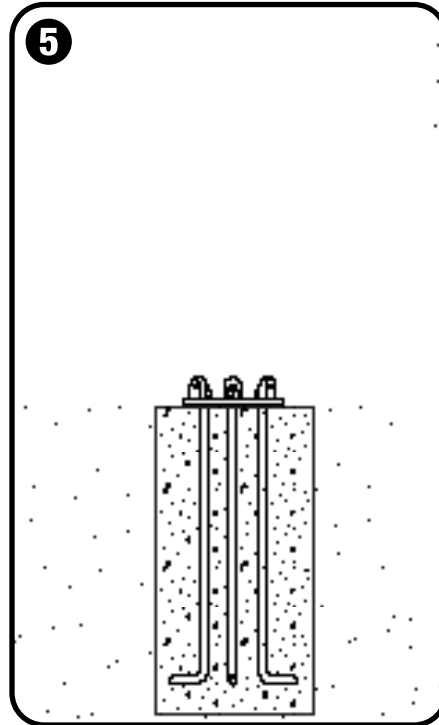
SURFACE MOUNT WITH J-BOLTS INSTALLATION INSTRUCTIONS

STEP BY STEP FOR ALL SURFACE MOUNT SERIES 1200 HELIO BOLLARDS



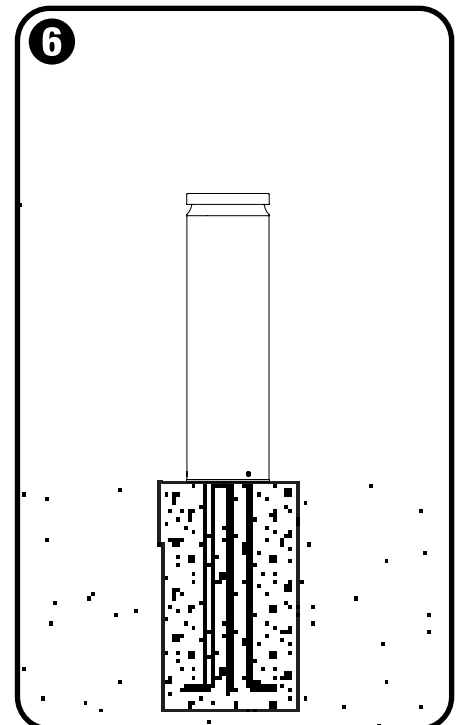
Attach base

- Slide 1/2" washer (b), then thread 1/2"-13 nut (c) onto each J-bolt anchor.



Tighten nuts

- Use 3/4" socket and socket wrench to tighten all nuts until snug.



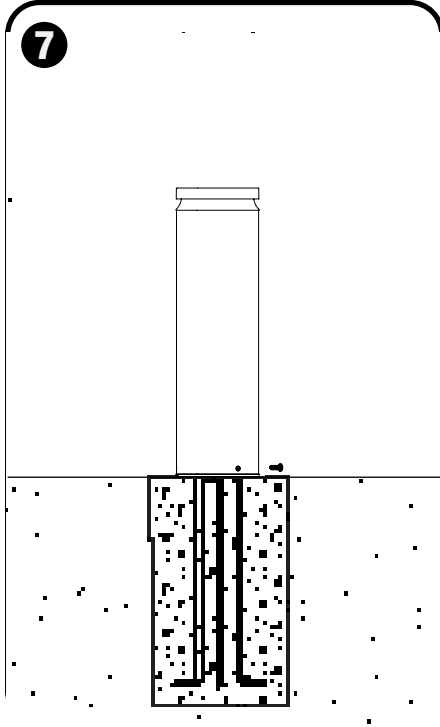
Place bollard

- Slide bollard over base plate, lower and align mounting holes.

HELIO™ BOLLARD, SERIES 1200

SURFACE MOUNT WITH J-BOLTS INSTALLATION INSTRUCTIONS

STEP BY STEP FOR ALL SURFACE MOUNTED SERIES 1200 HELIO BOLLARDS



Attach bollard to base plate

- Thread 5/16"-18x1" tamper-resistant flat head screws (d) into each hole.
- Use provided T40 Torx bit for tamper-resistant screws to tighten all screws until snug.