

Covers, Tamper Proof, for Type 2 Handholes



1. Scope

This standard covers the requirements for tamper-proof handhole covers and associated installation tool.

This standard applies to the following Seattle City Light (SCL) stock numbers:

Stock No.	Description
014842	Cover, tamper-proof, Type 2 handhole
014843	Tool for tamper-proof cover, Type 2 handhole

2. Application

Tamper-proof handhole covers add extra security to the handhole by making them very difficult to remove without a specialized tool.

This product is considered tamper-proof because the sale and distribution of the removal tool is completely controlled by the manufacturer.

This product is compatible with the H2 precast model of Type 2 handholes as specified in SCL 7203.10.

3. Industry Standards

Product shall meet the applicable requirements of the latest revision of the following industry standards:

ASTM A123M; Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products

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4. Requirements

4.1 Tamper-Proof Handhole Covers

Handhole covers shall have the following requirements:

- Dimensions: 27-3/4" x 16-3/4"
- Designed to fit Type 2 handhole dimensions as specified in SCL 7203.10 without any modification to the handhole
- A low-profile, flat-head security bolt design, SCL custom pattern
- H-20 minimum rating
- Equipped with a 1/4-20 ground stud for the ground strap to attached on underside of cover
- Labeled with "SL" for streetlight by welding, engraving, or label plate in such a manner as to avoid being a tripping hazard.
- A non-slip surface coated with SlipNOT Grade 3-coarse by W.S. Molnar Company, TH604 by Thermion, or have a minimum coefficient of friction of 0.8.
- An identifier on the underside of the cover that indicates the type of surface ("S3" for SlipNOT 3) and the year of manufacture (e.g., "S3 2022"); identification shall be bead-welded or clearly stamped into a metal surface on the underside of each lid, or labeled with an adhesive, metallic foil-backed label
- Hot-dipped galvanized after fabrication in accordance with ASTM A123M

When installed, the cover shall have 1/16-in (typical) clearance on each edge within the frame after galvanizing.

4.2 Tools

The tamper-proof tool (bit, key) shall be designed to mate with the SCL custom security bolt used with the tamper-proof handhole cover.

5. Packaging

Product shall be packaged to prevent damage during shipping, handling, and inside storage.

Individual packages shall be legibly marked with:

- Manufacturer identification
- Product description
- SCL stock number
- Quantity

Each shipping container shall be legibly marked with the following information:

- SCL purchase order number

6. Issuance

Stock unit: EA

7. Approved Manufacturers

Stock No.	Description	Manufacturer	Product Code
014842	Cover, tamper-proof, Type 2 handhole, 27-3/4" x 16-3/4"	Cobalt Utility Products	BRJB-2CTLR
014843	Tool, T-handle installation key for Type 2 handholes, SCL custom	Cobalt Utility Products	SCL 002 T-HANDLE TOOL

8. Sources

CobaltUtilityProducts.com

Dean, David; Streetlight Engineer and subject matter expert for 7204.11

Neuansourinh, Ponet; SCL Standards Engineer, originator, and subject matter expert for 7204.11

SCL Material Standard 7203.10; Type 1 and Type 2 Open Bottom Handhole, Precast, Secondary and Streetlight

Standard Specifications for Road, Bridge and Municipal Construction; City of Seattle; Public Utilities