

Tamper-Proof Screws and Installation Tools



1. Scope

This standard covers the requirements tamper-proof screws and installation tools. These screws are also known as Penta-Plus bolts. The tools are also known as bits.

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

Stock No.	Description
014911	Penta-Plus set screw, 1/4-20 x 3/8
014722	Penta-Plus button-head screw, 1/4-20 x 1
014723	Penta-Plus button-head screw, 3/8-16 x 1-1/2
014724	Penta-Plus button-head screw, 1/2-13 x 1-1/2
014912	Penta-Plus flat-head screw, 10-24 x 1
014725	Tool for 1/4-20 and 10-24 Penta Plus flat-head or button-head screws
014726	Tool for 3/8-16 Penta-Plus flat-head or button-head screws
014727	Tool for 1/2-13 Penta-Plus flat-head or button-head screws
014913	Tool for 1/4-inch Penta Plus set screws

2. Application

With their unique head design, tamper-proof screws provide streetlight handholes with extra security by making them very difficult to remove them without the very special tools also specified in this standard.

Stock Nos. 014911, 014912, and 014913 are for use with Chief Seattle streetlight bases.

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

This product can be used in any application that would benefit from a more difficult-to-remove fastener.

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3. Requirements

3.1 Screws

Tamper-proof screws shall be:

- Sized according to Section 1
- Low-profile, machine screw design

3.2 Tools

Tools (bits) shall be designed to mate with the screws described in Section 1.

4. Packaging

Product 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

5. Issuance

Stock unit: EA

6. Approved Manufacturers

Stock No.	Description	Bryce Fastener Mfg. Catalog No.	
014911	Penta-Plus set screw, 1/4-20 x 3/8	3GPSS25037	
014722	Penta-Plus button-head screw, 1/4-20 x 1	3GMPB25100	
014723	Penta-Plus button-head screw, 3/8-16 x 1-1/2	3GMPB37150	
014724	Penta-Plus button-head screw, 1/2-13 x 1-1/2	3GMPB50150S	
014912	Penta-Plus flat-head screw, 10-24 x 1	3GMPF10100	
014725	Tool for 1/4-20 and 10-24 Penta Plus flat-head or button-head screws	P25	
014726	Tool for 3/8-16 Penta-Plus flat-head or button-head screws	P31	
014727	Tool for 1/2-13 Penta-Plus flat-head or button-head screws	P50	
014913	Tool for 1/4-inch Penta Plus set screws	P06	

7. Sources

BryceFastener.com

Shipek, John; SCL Standards Supervisor and originator of 7847.55