

Screws, Self-Tapping and Self-Drilling



1. Scope

This standard covers the requirements for self-tapping and self-drilling screws.
This standard applies to the Seattle City Light (SCL) stock numbers cited in Section 4.

2. Application

Stock No. 012565 is for attaching set screw lugs, Stock No. 012564, to streetlight mast arms.
Stock numbers 015007 and 015008 are for attaching replacement covers to streetlight poles.

3. Industry Standards

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

ASME B18.12; Glossary of Terms for Mechanical Fasteners

ASME B18.6.3; Machine Screws, Tapping Screws, and Metallic Drive Screws (Inch Series)

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4. Requirements

4.1 Self-Tapping Screws

Self-tapping screws shall meet the requirements of Table 4.1.

Table 4.1. Self-Tapping Screw Requirements

Stock No.	Description	Size	Length (in)	Figure
571807	Self-tapping, pan head, square drive	#12	1	4.1a
571806	"	#12	2	4.1a
787182	Sheet metal tapping, pan head, slot drive	#8	3/4	4.1b
787190	"	#10	3/4	4.1b
787200	"	#12	3/4	4.1b

Self-tapping screws shall be steel and zinc-plated.

Stock Nos. 787182, 787190, and 787200 shall be type AB per ASME B18.6.3.

Figure 4.1a. Self-Tapping, Pan Head, Square Drive



Figure 4.1b. Sheet Metal Tapping, Pan Head, Slot Drive



4.2 Self-Drilling Screws

Self-drilling screws shall meet the requirements of Table 4.2.

Table 4.2. Self-Drilling Screw Requirements

Stock No.	Description	Size	Length (in)	Figure
012565	Stainless steel, 3/8-in hex washer head	#14	3/4	4.2
015007	"	"	1-1/4	"
015008	"	"	1-3/4	"

Figure 4.2. 3/8-in Hex Washer Head



5. Packaging

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

Individual packages shall be legibly marked with:

- Manufacturer name
- Manufacturer catalog number
- Product description
- SCL stock number

Shipping containers shall be legibly marked with:

- SCL purchase order number
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6. Issuance

Stock Unit: EA

7. Approved Manufacturers

SCL Material Control personnel may identify and approve manufacturers of this group of stock numbers.

8. Sources

SCL Stock Catalog page 78-9; May 22, 2013

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