

## Bolts, Galvanized, Oval Eye



---

### 1. Scope

This standard covers the requirements for oval eye bolts.

This standard applies to the Seattle City Light (SCL) stock numbers cited in Table 4.

---

### 2. Application

Oval eye bolts have many uses in overhead line construction such as securing clevises, links, and dead-end insulators.

---

### 3. Industry Standards

Oval eye bolts shall meet the applicable requirements of the following industry standard:  
**IEEE C135.80-2012**; IEEE Standards for Fasteners for Overhead Line Construction

---

### 4. Requirements

Oval eye bolts and nuts shall meet the requirements listed in Table 4 and IEEE C135.80.

Oval eye bolts are supplied with a threaded end and one assembled square nut. Nuts shall not be supplied loose in the box.

Oval eye bolts and nuts shall be made of hot-rolled steel produced by open-hearth, basic oxygen, or electric furnace process.

---

Standards Coordinator  
Quan Wang

Handwritten signature of Quan Wang in black ink.

Standards Supervisor  
John Shipek

Handwritten signature of John Shipek in black ink.

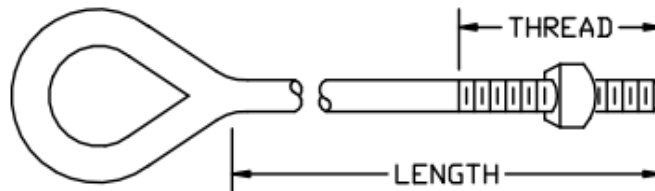
Unit Director  
Andrew Strong

Handwritten signature of Andrew Strong in black ink.

**Table 4. Requirements for Oval Eye Bolts**

<b>Stock No.</b>	<b>Diameter (in)</b>	<b>Length (in)</b>	<b>Tensile Strength (lb)</b>	<b>Thread Length (in)</b>
561010	1/2	10	7700	4
561106	5/8	6	12,400	3
561108	5/8	8	12,400	4
561110	5/8	10	12,400	4
561112	5/8	12	12,400	6
561114	5/8	14	12,400	6
561116	5/8	16	12,400	6
561118	5/8	18	12,400	6
561120	5/8	20	12,400	6
561122	5/8	22	12,400	6
561210	3/4	10	18,300	6
561212	3/4	12	18,300	6
561214	3/4	14	18,300	6

**Figure 4. Measurement for Oval Eye Bolts**



## 5. Packaging

Each standard package shall be legibly marked with the following information:

- Manufacturer's identification
- Product description
- Seattle City Light stock number
- Quantity

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

- Manufacturer's identification
- Country of origin
- Product description
- Seattle City Light purchase order number
- Seattle City Light stock number

## 6. Issuance

Stock Unit: EA

## 7. Approved Manufacturers

The following are approved manufacturers:

- Hubbell Power Systems (formerly Chance)
- Kortick Manufacturing
- Eaton (formerly Cooper Power Systems)
- MacLean Power Systems

---

## 8. Sources

**SCL Material Standard 5610.1**; "Bolts Galvanized, Oval Eye" (canceled)

**Tilley, Kathy**; SCL Electrical Engineering Support Specialist and subject matter expert for 7807.41 (kathy.tilley@sattle.gov)

**Wang, Quan**; SCL Standards Engineer and subject matter expert for 7807.41 (quan.wang@seattle.gov)