

## Staples - Galvanized and Copper Clad



### 1. Scope

This standard covers the requirements for cut point and diamond point round wire staples and cut point square barb staple.

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

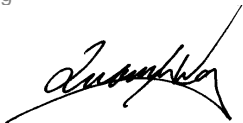
Stock No.	Description
583180	1-1/2 in x 1/4 in - Hot Dipped Galvanized, Round Wire Staple
583200	2 in x 1/2 in - Hot Dipped Galvanized, Round Wire Staple
583261	2 in x 1/2 in - Copper Clad, Round Wire Staple
013517	2 in x 5/8 in - Hot Dipped Galvanized, Square Barb Staple

### 2. Application

Cut and diamond point staples are use in overhead line construction. Cut and diamond point staples are generally used to secure ground wire and ground wire molding to wood poles.

The square barb staple is stronger and resists bending better than traditional round wire staples. The barbed shank of the staple provides increased retention in wood fibers. The square barb staple is used to attach 1/2-inch conduits onto woods in the streetlight system.

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### 3. Industry Standards

**ANSI C135.14 – 1979** - American National Standards Institute staples with rolled or slush points for overhead line construction

**ASTM A153/A153M-2004** - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware

**ASTM B227 – 10** - Standard Specification for Hard-Drawn Copper-Clad Steel Wire

### 4. Requirements

Cut and diamond point staples shall meet the applicable requirements of ANSI C135.14 with the clarifications described in Tables 4.1 and 4.2.

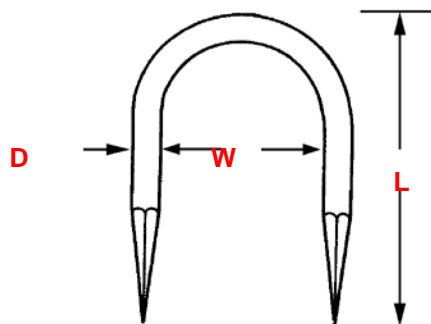
**Table 4.1. Common Requirements**

	Requirement	Reference
<b>Product Name</b>	Rolled or diamond point	ANSI C135.14,
	Slash or cut point	ANSI C135.14,
<b>Material</b>	Steel	ANSI C135.14, Section 3.1
	Copper clad	ASTM B227
<b>Dimension</b>	Per reference	ANSI C135.14, Data Sheet 2, Item No. 6
<b>Corrosion Protection</b>	Per reference	ANSI C135.14, Section 6.1.1 ASTM A153
<b>Point</b>	Cut or diamond	ANSI C135.14

**Table 4.2. Detailed Requirements**

Stock No.	Staple Dimension Nominal (in)			Corrosion Protection or Finish	Point	Material
	Length (L)	Inside Width (W)	Wire Dia. (D)			
<b>583180</b>	1-1/2	1/4	0.148	Hot-dipped galvanized	Cut	Round steel wire
<b>583200</b>	2	1/2	0.162	Hot-dipped galvanized	Diamond	Round steel wire
<b>583261</b>	2	1/2	0.162	Copper clad	Diamond	Round copper-clad wire
<b>013517</b>	2	5/8	0.165	Hot-dipped galvanized	Cut	Square wire, barb

**Figure 4. Cut and diamond point staple**



## 5. Packaging

Standard package quantity shall not exceed 500 per box.

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

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

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

- Manufacturer's identification
  - Product description
  - Seattle City Light's purchase order number
  - Seattle City Light's stock number.
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## 6. Issuance

Stock Unit: EA

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## 7. Approved Manufacturers

<b>Stock No.</b>	<b>Hubbell Power Systems</b>	<b>MacLean Power Systems</b>	<b>L&amp;J Industries</b>
583180	C205-0247	J1672G	C1525148G
583200	C205-0216	J156	D2050162G
583261	9154	J6496	D2050162C
013517	C205-0463	J7672	--

Seattle City Light Material Control personnel may identify and approve alternate manufacturers.

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## 8. References

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