

Eye Nuts



1. Scope

This standard covers the requirements for oval eye, thimble eye, and twin eye nuts.

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

Stock No.	Description	Min. Tensile Strength (lb)
565252	Oval eye nut	12,400
565254	Oval eye nut	18,350
565260	Thimble eye nut	18,350
565266	Twin eye nut	18,350

2. Application

Oval eye nuts are used for deadening, back-guying, and attaching pole head guys on the threaded end of a crossarm bolt.

Thimble eye (thimbleye) nuts, also known as strand eye nuts, are used to attach through bolts or the threaded end of a straight or angle eye bolt for straight-away guys.

Twin eye (twineye) nuts, also known as twin strand nuts, are used for head or stub guying of two strands of guy wire. The grooves are contoured to protect the guy wire strands.

3. Industry Standards

ASTM A153; Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware

IEEE Standard C135.80; Standard for Fasteners for Overhead Line Construction

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4. Requirements

Eye nuts shall meet the requirements of IEEE C135.80 and Table 4.

Eye nuts shall:

- Be made of hot-rolled steel produced by open-hearth, basic oxygen, or electric furnace process.
- Be tapped after galvanizing.
- Have the minimum tensile strength of the bolts or anchor rods for which they are intended.
- Meet the minimum and maximum dimensions as detailed in IEEE C135.80.

Table 4. Dimensions

Stock No.	Figure	Diameter (in)	Threads per Inch
565252	4a	5/8	11
565254	4a	3/4	10
565260	4b	3/4	10
565266	4c	3/4	10

Figure 4a. Oval Eye Nut



Figure 4b. Thimble Eye (Strand Eye) Nut



Figure 4c. Twin Eye (Twin Strand) Nut



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

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

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
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5. Issuance

Stock Unit: EA

6. Approved Manufacturers

Stock No.	Description	Hubbell Power Systems (formerly Chance)	MacLean Power Systems (formerly Joslyn)
565252	Oval eye nut	6502	J1092
565254	Oval eye nut	6503	J1093
565260	Thimble eye nut	6511	J6511
565266	Twin eye nut	6561	J6516

7. References

SCL Material Standard 5652.1; "Eye Nuts, Guy Cable Fittings" (canceled)

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