

Nuts, Clevis



1. Scope

This standard covers the material requirements for 5/8-in galvanized clevis nuts.
This standard applies to Seattle City Light (SCL) Stock No. 565280.

2. Application

Clevis nuts are used in guying and dead-ending applications. They connect guy wire, conductor, wire grips, or dead-ended bails to eye fittings of insulators, eye bolts, and pole eye plates.

3. Industry Standards

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

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

ASME B18.2.1; "Square and Hex Bolts and Nuts (Inch Series)"

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

ASTM B633/A668M; "Standard Specification for Steel Forgings, Carbon and Alloy for General Industrial Use"

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4. Requirements

Clevis nuts shall be made of hot-rolled steel that has been produced by open-hearth, basic oxygen, or electric-furnace process, or of malleable or ductile type ferrous castings.

All material shall be of grades and qualities suitable to meet the requirements of IEEE C135.80.

Clevis nuts shall be hot-dip galvanized as stated in ASTM A153/A153M.

Hole shall be tapped after galvanizing as stated in IEEE C135.80. See Figure 4.

Cotter key shall be stainless steel, humped-type.

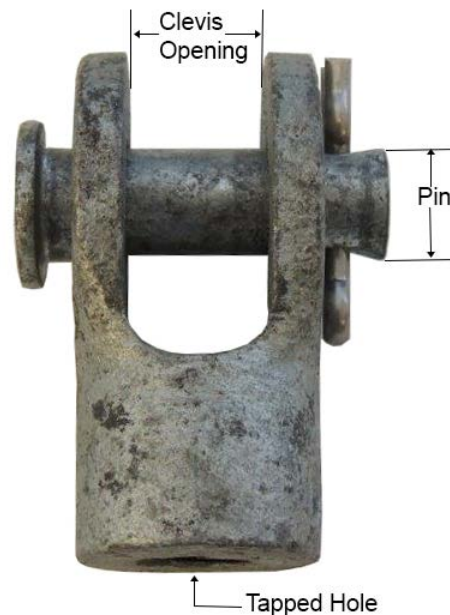
Clevis nut, pin, and cotter key shall be provided by manufacturer as an assembled unit.

Dimension and strength requirements are described in Table 4 and Figure 4.

Table 4. Dimension and Strength Requirements

Stock No.	Minimum Tensile Strength (lb)	Tapped Hole Diameter (in)	Pin Diameter (in)	Clevis Opening (in)
565280	12,400	5/8	5/8	3/4

Figure 4. Clevis Nut



5. Packaging

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

6. Issuance

Stock Unit: EA

7. Approved Manufacturers

<u>Manufacturer</u>	<u>Catalog No.</u>
MacLean Power Systems	CN5
Malleable Iron Fittings Co.	PA321

8. References

SCL Material Standard 5652.5; "Nuts, Clevis" (Canceled)

SCL Material Standard 7808.15; "Guy Cable Fitting Eye Nuts"

9. Sources

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