

Clevis Pins



1. Scope

This standard covers the requirements for hot-dipped galvanized steel clevis pins.
This standard applies to Seattle City Light (SCL) Stock No. 013167.

2. Application

Clevis pins are used to secure a variety of insulator clevis fittings, clamps, and anchor shackles for overhead line termination construction.

Clevis pins are used as replacement parts for insulator clevis fittings, clevis-style deadend clamp assemblies, and anchor shackles using 5/8-inch diameter pins.

3. Industry Standards

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

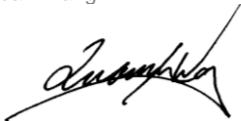
ANSI/ASME B18.8.1; Clevis Pins and Cotter Pins

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

ASTM A449; Standard Specification for Hex Cap Screws, Bolts, and Studs, Steel, Heat Treated, 120/105/90 ksi Minimum Tensile Strength, General Use

ASTM F3125; Standard Specification for High Strength Structural Bolts, Steel and Alloy Steel, Heat Treated, 120 ksi (830 MPA) and 150 ksi (1040 MPA) Minimum Tensile Strength, Inch and Metric Dimensions

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4. Requirements

Clevis pins shall be:

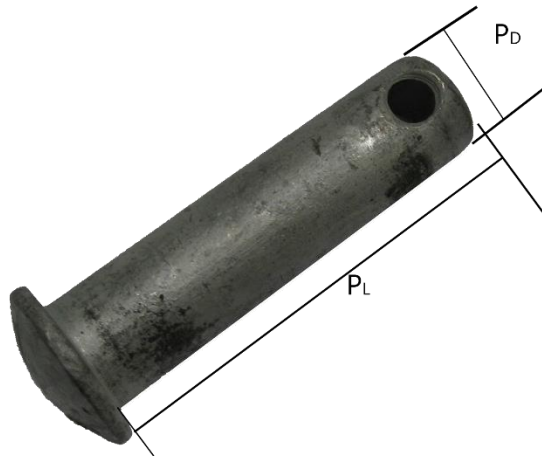
- Manufactured in accordance with SAE J429 Grade 5, ASTM A449 Type 1 or ASTM 3125 Grade A325 Type 1
- Free from burrs, fins, or seams
- Hot-dipped galvanized in accordance with ASTM A153

Clevis pins shall have dimensions as shown in Table 4 and Figure 4.

Table 4. Clevis Pin Dimensions

Diameter, Nominal (in)	Length, Nominal (in)
P_D	P_L
5/8	2-1/2

Figure 4. Clevis Pin Dimensions



5. Marking

Each clevis pin head shall be marked according to ASTM A449, Section 15 with the following clarifications:

- Manufacturer name or symbol
- Grade or Type symbol

Figure 5. Example of Pin Head Grade or Type Symbol



6. Packaging

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

Individual packages shall not exceed 50 pieces in a box.

Standard package weight shall not exceed 50 pounds.

Individual packages shall be legibly marked with:

- Manufacturer name
- Manufacturer part number
- Product description

Shipping containers shall be legibly marked with:

- SCL purchase order number
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7. Issuance

Stock Unit: EA

8. Approved Manufacturer

Manufacturer	Catalog No.
MacLean Power Systems	H-0300-02

9. Sources

Wang, Quan; SCL Standards Engineer, subject matter expert and originator for 6945.20
(quan.wang@seattle.gov)

SCL Material Standard 5825.90; "Cotter Pin, Humpback, Stainless Steel"