

Clamps, Parallel-Groove, Aluminum, Single-Bolt



1. Scope

This standard covers the requirements for single-bolt, aluminum, parallel-groove clamps. This standard applies to Seattle City Light (SCL) Stock No. 652020.

2. Application

Parallel-groove clamps are used to connect different-sized secondary copper or aluminum conductors for overhead secondary service.

3. Industry Standards

Parallel-groove clamps shall meet the applicable requirements of the latest revision of the following industry standards:

ANSI C119.4, American National Standard for Electric Connectors— Connectors for Use between Aluminum-to-Aluminum and Aluminum-to-Copper Conductors Designed for Normal Operation at or Below 93°C and Copper-to-Copper Conductors Designed for Normal Operation at or Below 100°C

NEMA CC1, Electric Power Connection for Substations

4. Requirements

Parallel-groove clamps shall have the following attributes:

- High-strength aluminum alloy material
- Assembled with stainless steel or hot-dipped galvanized (HDG) hardware (bolt, split-lock washer, and nut)
- Parallel grooves for conductor sizes: Main: #6 AWG to 1/0; Tap: #6 AWG to #2 AWG
- Grooves factory-filled with a measured amount of oxide-inhibiting compound

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5. Markings

Clamps shall be legibly marked with the following:

- Manufacturer name or trademark
- Catalog number
- Conductor size

6. Packaging

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

Clamps shall be packaged in individual bags to prevent contaminating oxide inhibiting compound during shipment and storage.

Individual packages shall be legibly marked with the following information:

- Manufacturer identification
- Product catalog part number
- Product description
- SCL stock number

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

- Seattle City Light purchase order number

7. Issuance

EA

8. Approved Manufacturers

Manufacturer	Catalog No.
Hubbell Power Systems / Burndy	UC25R2RS
Penn-Union	PCA-010-BF

9. Sources

Burndy Tap It drawing number SD057342-01, Revision D

Stock Catalog Page 65-9 (March 6, 2015)

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