

MATERIAL STANDARD

SILICON BRONZE HEX NUT



1. Scope

This material standard covers the requirements for silicon bronze hex nuts.

2. Application

Silicon bronze hardware is used to make up electrical connections. Refer to Construction Guideline D14-4/NSV-20. Silicon bronze hardware is also used in situations where high-strength and corrosion-resistance is desired.

3. Industry Standards

Hex nuts shall meet the applicable requirements of the following industry standards:

ASME B18.2.2-1987 (R1999) - Square and Hex Nuts (Inch Series)

ASTM F467-1993 - Standard Specification for Nonferrous Nuts for General Use

ASME B18.12-2001 - Glossary of Terms for Mechanical Fasteners

4. Fabrication

4.1 Common Requirements

	Requirements	Reference
Product Name	hexagon nut	ASME B18.12, Section 3.2.1.14
Material	silicon bronze alloy 651	ASTM F467, Tables 1 and 2
Dimensions	per reference	ASME B18.2.2, Table 3
Threads	standard series UNC Class 2B	ASME B18.2.2, Table 3, General Note (d)

4.2 Marking

Nuts shall be marked according to ASTM F467, Section 17.1.

4.3 Detailed Requirements

Stock Number	Nominal Size, in	Threads per in
783321	1/4	20
783322	5/16	18
783323	3/8	16
783325	1/2	13
783326	5/8	11
783327	3/4	10

5. Packaging

Nuts shall be packaged 25, 50 or 100 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
- Country of origin
- Product description
- Seattle City Light's Purchase Order Number
- Seattle City Light's Stock Number

6. Shipping

Product shall be shipped to the address specified on the Purchase Order.

7. Issuance



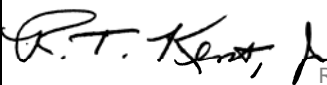
Stock Unit: EA

8. Approved Manufacturers

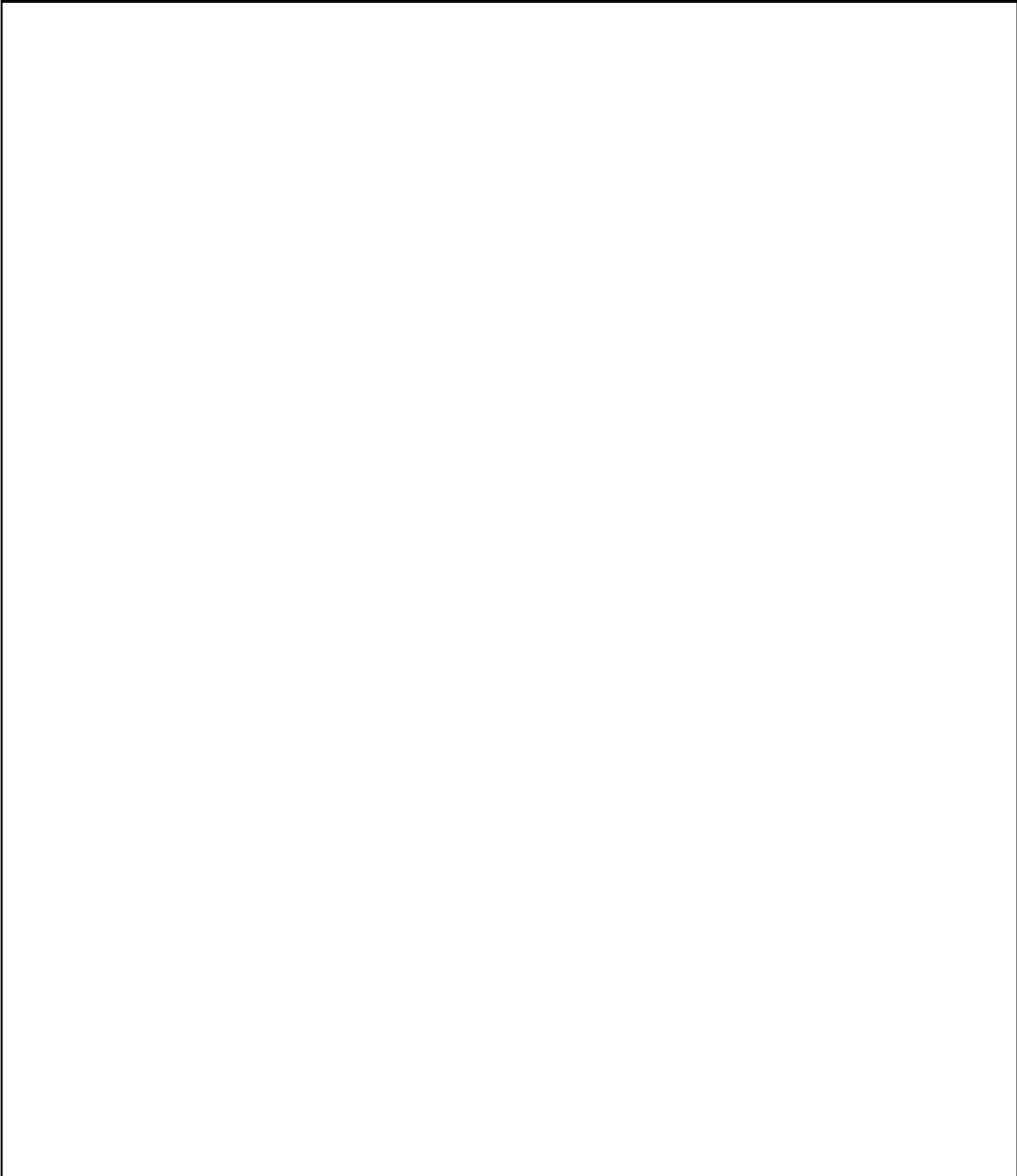
Seattle City Light Material Control personnel will identify and approve distributors, and hence manufacturers, for this group of Stock Numbers.

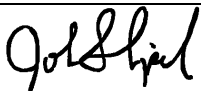

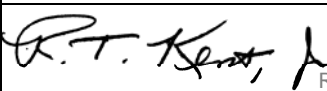
9. References

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