

Washers, Flat Plain and Split Lock, Brass and Copper Alloy



1. Scope

This standard covers the requirements for flat plain and split lock, brass and copper alloy washers.

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

Stock No.	Size, Nominal	Type	Material
788006	1/4	Flat, plain	Brass
788010	1/2	"	"
788117	No. 6	Split lock, helical spring	Copper alloy
788118	No. 8	"	"
788119	No. 10	"	"

2. Application

Washer nominal size refers to what size of fastener a washer will work with.

3. Industry Standards

Washers shall meet the applicable requirements of the following industry standards:

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

ASME B18.21.1-1999; Lock Washers (Inch Series)

ANSI B18.22.1-1965 (Reaffirmed 2003); Plain Washers

4. Requirements

4.1 Flat, Plain

Flat, plain washers shall meet the requirements described in Table 4.1.

Table 4.1 Flat, Plain Washer Requirements

Stock No.	Size, Nominal	Outside Diameter (in)	Inside Diameter (in)	Thickness (in)	Material	ANSI B18.22.1
788006	1/4	0.734	0.281	0.063	Brass	Table 2, Type B, Regular
788010	1/2	1.250	0.531	0.100	"	"

Note: Dimensional values shown are basic values; see ANSI B18.22.1 for applicable tolerances.

4.2 Split Lock, Helical Spring

Split lock, helical spring washers shall meet the requirements described in Table 4.2.

Table 4.2 Split Lock, Helical Spring Washer Requirements

Stock No.	Size, Nominal	Outside Diameter (in)	Inside Diameter (in)	Thickness (in)	Material	ANSI B18.22.1
788117	No. 6	0.250	0.141	0.031	Copper alloy	Table 1, Regular
788118	No. 8	0.293	0.167	0.040	"	"
788119	No. 10	0.334	0.193	0.047	"	"

Note: See ASME B18.21.1 for complete dimensional values.

5. Packaging

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

Individual packages shall be legibly marked with:

- Manufacturer name
- Manufacturer catalog number
- Product description
- SCL stock number

Shipping containers shall be legibly marked with SCL purchase order number.

6. Issuance

Stock Unit: EA

7. Approved Manufacturers

Seattle City Light Material Control personnel may identify and approve manufacturers of this group of stock numbers.

8. Sources

SCL Stock Catalog page 78-23; January 25, 2008

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