

## Swivel Hook Assemblies, 1.63 Metric Ton (WLL)



### 1. Scope

This standard covers the requirements for 1.63 metric ton working load limit (WLL), swivel hook assemblies and replacement parts.

Spools are also known as thimbles.

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

| Stock No. | Description                                      |
|-----------|--|
| 014791    | Swivel hook assembly (includes shield and spool) |
| 014792    | Replacement nylon shield                         |
| 014793    | Replacement nylon spool                          |
| 014794    | Replacement latch kit                            |

### 2. Application

Swivel hook assemblies are intended to be attached to rope soft eyes.

Swivel hook assemblies extend the life of rope soft eyes by keeping the rope positioned correctly on spool, providing a wider bearing surface resulting in an increased area for load distribution, and reducing abrasion.

Swivel hook spools are designed for synthetic rope sizes 9/16 to 5/8 inch.

### 3. Industry Standards

Swivel hooks shall meet the applicable requirements of the latest revision of the following industry standard:

**ASME B30.10**; Hooks - Safety Standard for Cableways, Cranes, Derricks, Hoists, Hooks, Jacks, and Slings

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## 4. Requirements

### 4.1 Assemblies

Assemblies shall be composed of a swivel hook, a shield, and a spool as described in Sections 4.2, 4.3, and 4.4.

### 4.2 Swivel Hook

Swivel hooks:

- Shall include a latch
- Shall be forged alloy steel
- Have a working load limit (WLL) of 1.63 metric tons
- Can be proof tested two times the WLL

WLL shall be based on a 5:1 safety factor.

WLL shall be stamped on each side.

### 4.3 Shields

Shields shall be:

- Nylon
- Red

### 4.4 Spools

Spools shall be:

- Nylon
- Designed for synthetic rope sizes 9/16 to 5/8 inch

### 4.5 Latch Kits

Latch kits shall be composed of the following:

- Latch
- High cycle, long life spring
- Cotter pin
- Through bolt
- Nut

**Figure 4.5. Latch Kit**



## 5. Packaging

Swivel assemblies shall be packaged and shipped assembled.

Swivel assemblies and replacement parts shall be packaged to prevent damage during shipping, handling, and inside storage.

Individual packages shall be legibly marked with:

- Manufacturer identification
- Product description
- Seattle City Light stock number

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

- Seattle City Light purchase order number
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## 6. Issuance

Stock unit: EA

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## 7. Approved Manufacturers

| Stock No. | Description             | Manufacturer | Product Code        |
|-----------|-------------------------|--------------|---------------------|
| 014791    | Assembly                | Crosby       | S-3319/1002054      |
| 014792    | Replacement shield, red | Samson       | Nylite Shield 969   |
| 014793    | Replacement spool       | Samson       | Nylite Spool Size 2 |
| 014794    | Replacement latch kit   | Crosby       | 1096468             |

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## 8. Sources

**Samson Utility Product Guide**, 2016/2017, YGS:MSW 109598 500 8/2017

**Shipek, John**, SCL Standards Supervisor, originator, and subject matter expert for 7272.16

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