

SLINGS, NYLON

**1. Scope**

This material standard covers the requirements for nylon slings, also known as synthetic webbing slings.

This material standard applies to the following Seattle City Light Stock Numbers:

Stock Number	Length, ft	Construction
765480	3	one-ply
765484	4	one-ply
765485	5	two-ply
765486	6	two-ply
765488	8	two-ply
765490	10	two-ply
765492	12	two-ply

2. Application

Slings are used to rig and hoist loads.

Before starting a job, sling users shall be trained in the selection, inspection, cautions to personnel, effects of the environment, and rigging practices cited in ANSI/ASME B30.9.

3. Industry Standards

Slings shall meet the applicable requirements of the following industry standard:

ANSI/ASME B30.9-2010 – Slings, Safety Standard for Cableways, Cranes, Derricks, Hoists, Hooks, Jacks, and Slings

4. Requirements**4.1 Common**

Webbing material	nylon
Webbing material color	yellow
Abrasion resistant webbing treatment	required
Webbing construction, tensile strength, minimum	9,800 lb/in of webbing width
Width, in	2
Length, ft	as cited in section 9 of this Standard
Type, per ANSI/ASME B30.9	IV (twisted-eye)
Class, per ANSI/ASME B30.9	7
Design factor	5 to 1
Eyes	leather or Cordura® brand reinforced
Wear indicator system	required

standards coordinator	standards supervisor	unit director
 John Shipek	 John Shipek	 Pamela S. Johnson

MATERIAL STANDARD

Slings, Nylon

standard number: **7654.80**

superseding: March 16, 1998

effective date: April 12, 2011

page: 2 of 2

4. Requirements, continued**4.2 One-Ply**

Rated capacity, minimum

Vertical, lb	3,100
Basket, lb	6,200
Choker, lb	2,480

4.3 Two-Ply

Rated capacity, minimum

Vertical, lb	6,200
Basket, lb	12,400
Choker, lb	4,960

5. Marking

Each sling shall be marked according to the requirements of ANSI/ASME B30.9, Section 9-5.7. This information shall include, but not be limited to:

- Name or trademark of manufacturer
- Manufacturer's code or stock number
- Rated load for at least one hitch type and the angle upon which it is based
- Type of synthetic web material
- Number of legs, if more than one

In addition, each sling shall be marked with:

- "SEATTLE CITY LIGHT"
- Date of manufacture

Height of sling marking text shall be at least 3/16 inch.

Sling marking shall appear on a permanently attached tag made of leather or abrasion resistant polymer.

6. Testing

Test data that establishes compliance with the requirements of ANSI/ASME B30.9 shall be provided upon request.

7. Packaging

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

Each shipping container shall be marked with:

- Seattle City Light's Purchase Order Number
- Seattle City Light's Stock Number

8. Issuance

Stock Unit: EA

9. Approved Manufacturers

Stock Numbers	Length, ft	Construction	Manufacturers and Catalog Numbers			
			Lift-All	Lift-It	Olympic	Tuffy
765480	3	one-ply	EE1802NTT x 3' LONG	-	EE1-902-3 TYPE 4	EET-1-902-3
765484	4	one-ply	EE1802NTT x 4' LONG	EE1-902-4HT	EE1-902-4	EET-1-902-4
765485	5	two-ply	EE2802NTT x 5' LONG	EE2-902-5HT	EE2-902-5	EET-2-902-5
765486	6	two-ply	EE2802NTT x 6' LONG	EE2-902-6HT	EE2-902-6	EET-2-902-6
765488	8	two-ply	EE2802NTT x 8' LONG	EE2-902-8HT	EE2-902-8	EET-2-902-8
765490	10	two-ply	EE2802NTT x 10' LONG	EE2-902-10HT	EE2-902-10	EET-2-902-10
765492	12	two-ply	EE2802NTT x 12' LONG	EE2-902-12HT	EE2-902-12	EET-2-902-12

10. References**Part No. 1910, Standard No. 1910.184, Subpart N;**

"Part Title: Occupational Safety and Health Standards; Subpart Title: Materials Handling and Storage; Title: Slings"; Occupational Safety and Health Administration

Shipek, John; SCL Standards Engineer, subject matter expert and originator of 7654.80 (john.shipek@seattle.gov)

www.lift-all.com

www.lift-it.com

www.ospsling.com

www.tuffyweb.com