

## Cutters and Replacement Cutterheads



### 1. Scope

This standard covers the requirements for industrial-quality cutters and replacement cutterheads (jaws).

Cutters are also known as wire cutters, bolt cutters, and cable cutters.

This standard applies to the Seattle City Light (SCL) stock numbers cited in Section 4.

### 2. Application

Cutters are designed for cutting metal or wire. The replacement cutterheads are designed to extend the life of the tool.

Stock No. 761216 cutters are for cutting:

- 3/8" guy wire
- aluminum wire
- rubber covered wire
- copper wire

Stock No. 761221 cutters are for cutting:

- 7/16" hard steel
- stainless steel
- rebar
- tempered spring wire
- 1/2" hard guy strand

Stock No. 761227 cutters are for shearing:

- 3/8" wire rope
- soft steel rods or bolts
- 954 kcmil ACSR
- 1000 kcmil all-aluminum or copper cable
- 1-3/16" telephone cable
- 1/2" common steel strand

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### 3. Industry Standards

Cutters and replacement cutterheads shall meet the applicable requirements of the following industry standards:

**ASTM E140**; Standard Hardness Conversion Tables for Metals Relationship Among Brinell Hardness, Vickers Hardness, Rockwell Hardness, Superficial Hardness, Knoop Hardness, Scleroscope Hardness, and Leeb Hardness

**ASTM A370**; Standard Test Methods and Definitions for Mechanical Testing of Steel Products

### 4. Requirements

Cutters shall be capable of cutting or shearing the materials cited in Section 2 of this standard.

Cutters shall meet the following requirements:

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#### Stock No. 761216

Type	Heavy duty
Handles	24", fiberglass
Grips	Rubber
Weight	5-1/2 lb
Cut hardness	Brinell 455 / Rockwell C48
Color	Black/yellow
Blade	Center cut, drop forged
Jaw reinforcement	Lock-plate
Adjustment screw	Yes



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#### Stock No. 761221

Type	Heavy duty
Handles	36", steel
Grips	Rubber
Weight	14-1/8 lb
Cut hardness	Brinell 455 / Rockwell C48
Color	Black/red
Blade	Center cut, drop forged
Jaw reinforcement	Lock-plate
Adjustment screw	Yes



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#### Stock No. 761227

Type	Ratchet, chain
Handles	29-1/4", steel
Grips	Rubber
Weight	10-1/2 lb
Color	Black/red
Blade	Shear cut
Jaw reinforcement	Keeper



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**Stock No. 764110**

Type	Replacement cutterhead
Material	Drop forged alloy steel
Dimensions	7.3" x 7.3" x 2.1"
Weight	2.4 lb



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**Stock No. 764120**

Type	Replacement cutterhead
Material	Drop forged alloy steel
Dimensions	8.7" x 5.3" x 2"
Weight	6.5 lb



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**5. Packaging**

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

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**6. Issuance**

Stock Unit: EA

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**7. Approved Manufacturers**

Stock No.	Description	HK Porter Catalog No.
761216	Cutter, Heavy Duty, 24" Fiberglass Handles	0190FCX
761221	Cutter, Heavy Duty, 36" Steel Handles	0390MCX
761227	Cutter, Hard Cable, Ratchet, Shear Cut, 29-1/4" Steel Handles	8690FH
764110	Cutterhead, Replacement for 761216	0113CX
764120	Cutterhead, Replacement for 761221	0313CX

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**8. Sources**

**Neuansourinh, Ponet;** SCL Standards Engineer and originator of 7637.85

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