

# Cutters

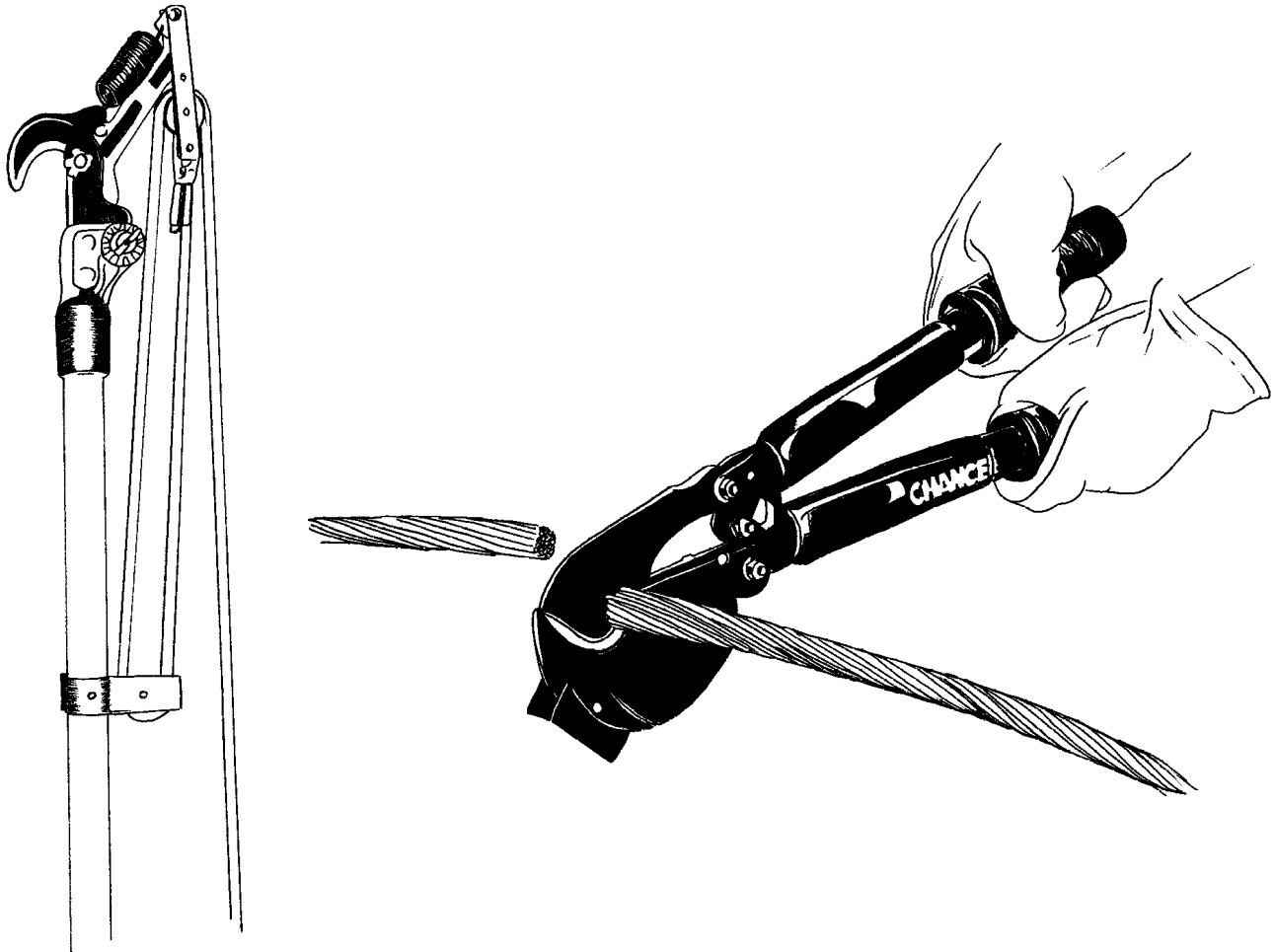
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# Ratchet Cable Cutters for ACSR or Aluminum & Copper

Tested per OSHA & ASTM F711

## Easier Operation

High-performance design incorporates Delrin plastic rollers and a two-piece operating rod. Roller mechanism travels smoothly along main Epoxiglas® pole. Linked through the roller support unit, the hinged operating rod and larger Epoxiglas pole reinforce each other.

These Ratchet Cable Cutters meet OSHA Electrical Rating subpart V-section 1926.951 (d).

Insulated support pole is Chance orange 1½"-diameter Epoxiglas with Plastisol butt cap, operating shaft is ¾"-diameter solid fiberglass rod, and lever handle is 1"-diameter Epoxiglas with rubber cushion grip.

Integral hanger hook on end casting keeps tool handy on the job site.

Improved Soft Wire jaws cut larger URD cables.

**T4032889**

**Bolt, Nut, Keeper and Washer Kit**

Four standard models offer practical 6-foot or 8-foot lengths fitted with choice of cutter heads for soft wire or ACSR. Shear-type steel blades cut without deforming cable. Heads are interchangeable for field changeouts.

Soft-Wire Head cuts cable of Aluminum through 1000 kcmil bare (1.152") or jacketed URD (2.125") and Copper through 500 kcmil (0.813").

Head for ACSR cuts 54/7 multiple-strand ACSR cable through 556 kcmil (1").

Spare cutter heads may be ordered separately below.

### Ratchet Cable Cutters

Catalog Number	Description		Weight
	Length	Head	
C4031381	6 ft.	1000 kcmil A.A. 500 kcmil Cu.	11 lb./4.95 kg.
C4031382	6 ft.	556 kcmil ACSR	11 lb./4.95 kg.
C4031383	8 ft.	1000 kcmil A.A. 500 kcmil Cu.	11½ lb./5.18 kg.
C4031384	8 ft.	556 kcmil ACSR	11½ lb./5.18 kg.

### Cutter Heads Only

Catalog Number	Head Description	Weight
P4031387P	1000 kcmil A.A. 500 kcmil Cu.	2¼ lb./1 kg.
P4031388P	556 kcmil ACSR	2¼ lb./1 kg.

CHANCE – CENTRALIA, MISSOURI  
JULY 2010



### Ordering Information SAFETYSHIELD™ Hot Stick Barrier for Ratchet Wire Cutters†

Catalog No.	Diameter	Weight
PSC4170630	16" (406.4 mm)	1 lb. 6 oz. /0.62 kg.

For more details on SAFETYSHIELD™ Hot Stick Barrier to fit tools above, see page 2130.

# CONDUCTOR CUTTERS

## with Insulated Handles

### for ACSR or Aluminum & Copper

Three standard models offer choice of insulated long or short handles on cutters for soft wire and insulated long handles on cutters for ACSR. Chance orange 1½" dia. Epoxi-glas® handles have black rubber cushion grips.

Shear-type blades cut without deforming cable. These heat-treated tool-steel cutter heads are the same as those for Chance Ratchet Cable Cutters and may be interchanged in the field. Order replacement or spare cutter heads as separate items, below. **Note:** ACSR head is not for use with 15½"

handles. Soft-wire head must not be used to cut ACSR as it will damage the cutting edges.

**Storage bags** to fit the short or long cutters come in heavy-duty yellow vinyl-impregnated nylon cloth. Order as separate items, below.

**NOTE:** These cutters are designed for energized applications, but users must wear rubber gloves and observe all applicable working clearances when cutting energized conductors.

**For Soft Wire ▶**  
(Available with Long or Short Handles)



**For ACSR Wire ▶**  
(Available with Long Handles only)



**Bolt, Nut, Keeper  
and Washer Kit  
T4032889**

**Conductor Cutters with Insulated Handles**

Catalog Number	Length		Maximum Size & Type Conductor	Weight	
	Handles	Overall		lb.	kg.
C4031421	15½"	21½"	600 MCM A.A./350 MCM Cu.	4½	2
C4031422	28½"	35"	1000 MCM A.A./500 MCM Cu.	5½	2.5
C4031423	28½"	33½"	336.4 MCM ACSR	5	2.2

Order Storage Bags and extra Cutter Heads as separate items, below.

#### Storage Bags Only

Catalog Number	Size	For Cutters, Catalog Numbers	Weight	
			lb.	kg.
C3060023	8" x 23"	C403-1421	½	0.2
C3060000	12" x 38"	C403-1422 or C403-1423	½	0.2

#### Cutter Heads Only

Catalog Number	Description	Weight	
		lb.	kg.
P4031387P	*1000 MCM A.A./500 MCM Cu.	2¼	1
P4031388P	†336.4 MCM ACSR	2¼	1

\*Rating for P4031387 Head on 28½" Cutter handles. Used on 15½" Cutter handles, rating for P403-1387 Head is 600 MCM A.A./350 MCM Cu. **Do not use to cut ACSR.**

†Rating for P4031388 Head on 28½" Cutter handles. **P4031388 Head is not for use on 15½" Cutter handles to cut ACSR.**

# Ratcheting Cable Cutters for ACSR or Aluminum & Copper

## Compact size gets into close quarters

These conductor cutters are half the size and weight of standard ratchet cutters. Two styles of the compact cutters ratings match a wide range of overhead and underground conductors. They can get into such confining workspace as manholes and handholes. In practice, they open in less than half the space required for long-handled ratcheting cutters. Their small size also saves on toolbox and warehouse storage.



Single control allows easy switching of direction.

For rapid opening or closing, pushing thumb slide toward head allows handles to open wider. Not for use when cutting, this feature nearly doubles the speed of the "soft" cutters and makes the "hard" cutters open and close about three times faster than normal. For shorter, more powerful strokes while cutting conductor, release thumb slide.



**Soft Style C4032979**  
for only All-Aluminum or  
Copper up to 1000 kcmil  
maximum

**Max. opening: 2 1/4" (5.72 cm)**  
**Length: 19 1/2" (49.53 mm)**  
**Weight: 4 1/4 lb. (1.9 kg.)**



1000 kcmil URD cable



**Hard Style C4032980**  
for ACSR up to 556 max.  
and Aluminum or Copper  
up to 750 kcmil max.

**Max. opening: 2" (5.08 cm)**  
**Length: 18" (45.72 mm)**  
**Weight: 4 3/8 lb. (2 kg.)**



556 ACSR  
(aluminum conductor,  
steel reinforced)



750 kcmil URD cable

## Easy operation, rugged construction

To give long service life, the design of these compact cutters is based on a simple ratchet mechanism. Simple controls and sure ratcheting action makes working with them easy.

C-type jaws are heat-treated for lasting strength and sharpness. Stampings on the jaws indicate application limits.

Despite their small size, they are built to take punishing field conditions. The reinforced-fiberglass handles are PVC-coated and protected by a vinyl sleeve. Thick vinyl grips shield the handle ends and help worker keep a steady grasp.

Operating instructions are included with both cutter styles.

## **! WARNING**

**These cutters are not insulated hot line tools.**

## Ordering Information

Catalog No.	Description	Weight
C4032979	Soft Conductor Cutters	4 1/4 lb. (1.9 kg.)
C4032980	Hard Conductor Cutters	4 3/8 lb. (2 kg.)

# Insulated Hydraulic Cable Cutters

with guillotine-type jaw head

for #6 Solid Copper (0.162" dia.) to 954 kcmil ACSR (1.16" dia.)

Tested per OSHA & ASTM F711

## Easy operation, powerful construction

A single lineworker can easily cut large-gauge conductors with the power-assist of this tool's closed hydraulic system. It operates like a hydraulic jack, by simply pumping the handle.

Epoxiglas® pole, handle and hydraulic hose have been tested to 100kV per foot. Hydraulic oil has dielectric strength of more than 25kV per ASTM D877. Hose has minimum burst strength of 12,000 psi. Pump provides 9,000 psi maximum pressure.

Maintenance and operating instructions are included with each tool.



Hook-style jaw hangs on conductor to help position tool. Guillotine-type blades result in smooth, clean cuts.

### Ordering Information

Catalog No.	Description	L <sub>1</sub>	L <sub>2</sub>	Weight
C4032861	6-ft. Hydraulic Cutters	3'7"	18"	18¼ lb. (8.2 kg.)
C4032862	8-ft. Hydraulic Cutters	5'8"	18"	19¼ lb. (8.7 kg.)



L<sub>1</sub>  
6' - 3'7"  
8' - 5'8"

L<sub>2</sub>  
18"

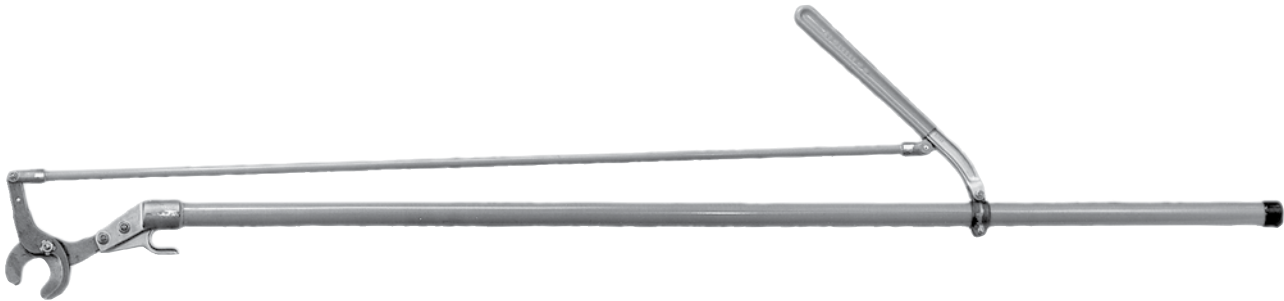


Hydraulic ram fully retracts in the Open position. For efficient cutting, upper and lower jaw edges are sharpened.



Single control knob selects direction. Notice: When storing tool, be sure to relieve hydraulic pressure by turning knob to the Open position.

ALUMINUM WIRE CUTTER



These wire cutters have a heat treated steel cutter head especially designed to cut all aluminum conductors. The aluminum head and Chance Epoxiglas® handles combine to make an insulated lightweight tool for easy handling. A lineman's preference for cutting aluminum jumper cables, conductors or tie wires. Do not use this tool to cut ACSR conductors.

Catalog No.	Description	Pole Size Dia.	Conductor Ranges	Length	Weight
C4030689	All-Aluminum	1½"	1.033.5MCM	6'	8½ lb./3.8 kg.
C4030690	Wire Cutters	1½"	1.033.5MCM	8'	10 lb./4.5 kg.

Tested per OSHA & ASTM F711

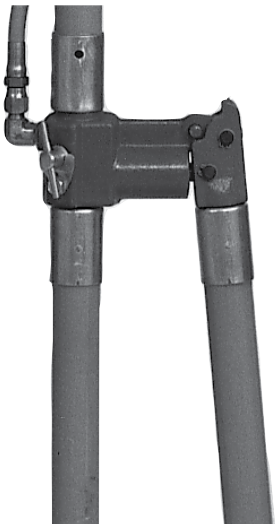
HYDRAULICALLY OPERATED CONDUCTOR CUTTER



This tool is used to cut conductors up to 954 MCM ACSR, All-Aluminum and 500 MCM copper. Operation is similar to that of an hydraulic jack; a knob-handle is turned to enable the lineman to operate the pump handle. When the cut is completed, the knob is turned in the opposite direction to allow the cutting head to open.

The Epoxiglas pole, handle and hydraulic hose have been tested to 100 kV per foot. Hydraulic oil has a dielectric strength of 25 + kV per ASTM D877-64. The hose has a minimum burst strength of 12,000 PSI. The pump provides a maximum pressure of 9,000 PSI.

Features include jaws designed to cut without flattening the conductor. The jaws are also adjustable to compensate for wear. The hydraulic hose is located outside the pole for easy maintenance. It is extremely well balanced, requiring minimum effort to cut large conductors.



Catalog No.	Length	Pole Dia.	Range	Weight
C4030731	6'	1¼"	To 954 MCM ACSR	13 lb./5.9 kg.
C4030732	8'	1¼"	To 954 MCM ACSR	15 lb./6.8 kg.

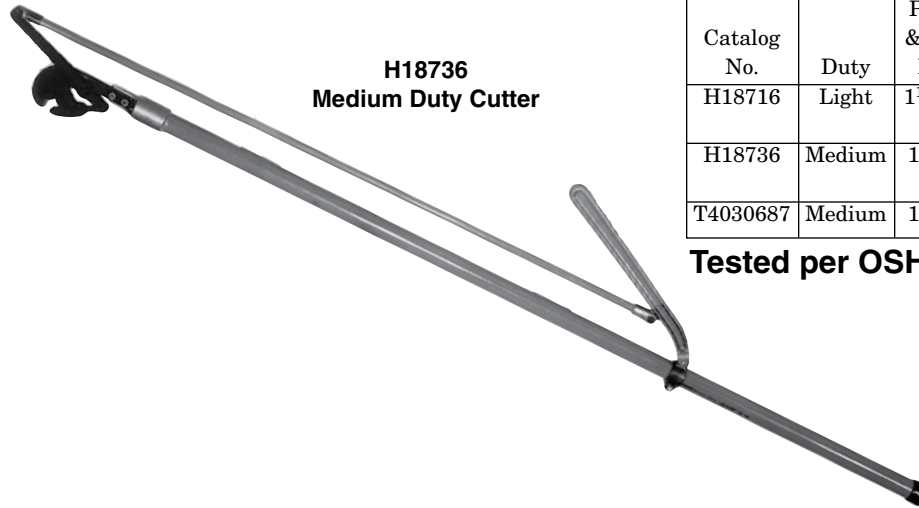
Tested per OSHA & ASTM F711

## LEVER TYPE WIRE CUTTERS

Three different cutter heads are available for linemen to use for cutting jumper wires, live conductors and tie wires. All cutters are assembled and mounted on Chance Epoxiglas®

insulated poles. A solid fiberglass-reinforced operating rod insulates the linemen from the cutter head. The lever handle is coated with plastisol.

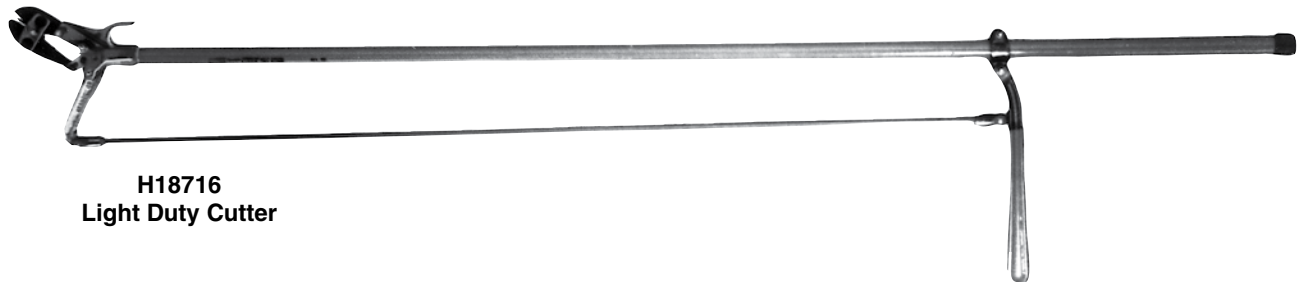
The lever action gives the linemen added mechanical force to make clean cuts up to the maximum sizes shown in the table below.



**H18736**  
**Medium Duty Cutter**

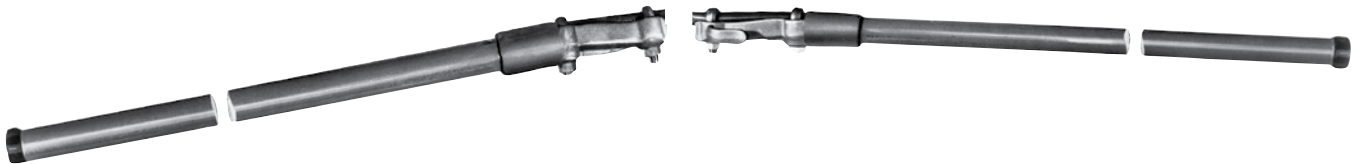
Catalog No.	Duty	Pole Size & Overall Length	Maximum Conductor Recommended	Weight
H18716	Light	1¼" x 6'6"	2/0 Solid Copper or 1/0 ACSR	6¾ lb./3.0 kg.
H18736	Medium	1½" x 6'7"	4/0 Stranded Copper or 4/0 ACSR	9¾ lb./4.4 kg.
T4030687	Medium	1½" x 8'7"		10¼ lb./4.6 kg.

**Tested per OSHA & ASTM F711**



**H18716**  
**Light Duty Cutter**

## INSULATED HANDLES



Chance Epoxiglas® 1¼" diameter handles may be easily attached to wire cutters or other hand tools for use in hot line maintenance or emergency repair work.

Catalog No.	Description	Overall Length	Weight
H18612	Handles Only	4'3½"	4½ lb./2.0 kg.

**Tested per OSHA & ASTM F711**

TREE TRIMMERS

Chance Tree Trimmers are designed to cut up to 1½" dia. branches and are especially useful around energized conductors or in hard to get places. The Tree Trimmer head features sharpened stationary and movable blades made of drop-forged steel. The rope and pulley arrangement gives the operator a mechanical advantage of 3 to 1. For example, a 10-lb. pull on the rope will exert a 30-lb. force on the cutter head lever. Ball bearing pulleys are employed for free operation.

The rope furnished with each basic tree trimmer is 25' long; which will accommodate a 6' extension on the basic tool. The 18" long Universal Tool Fitting is provided with 25' of rope.

A Universal Pruning Saw can be added to the universal fitting on the side of the head mount.

Splices telescope snugly and fasten securely to the splice fitting on the tool. Leaf spring button lock.



Splices telescope snugly and fasten securely to the splice fittings on the tool. Leaf-spring button lock, shown, is used on the Epoxiglas® models.

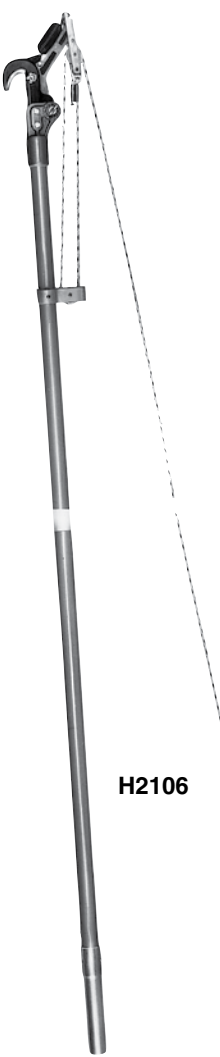
Tested per OSHA & ASTM F711

Catalog No.		Description	Overall Length	Approx. Weight
1½" Poles	1¼" Poles			
H2006	H2106	Epoxiglas Tree Trimmer ●	6'10"	5¼ lb./2.4 kg.
H2036	H2136	2-Splice Extension *	6'	3½ lb./1.6 kg.
H2038	H2138	2-Splice Extension *	8'	4¼ lb./1.9 kg.
H2056	H2156	1-Splice Extension ▲	6'	3¼ lb./1.5 kg.
H2058	H2158	1-Splice Extension ▲	8'	4 lb./1.8 kg.

- Supplied with Male Splice Half-One End
- \* Male/Female Splices
- ▲ Female Splice Half-One End



H21064



H2106

ACCESSORIES

Catalog No.	Description	Weight
H2020	Head Only for 1½" Epoxiglas Pole	1¾ lb./ .8 kg.
H2120	Head Only for 1¼" Epoxiglas Pole	1¾ lb./ .8 kg.
H21064	Universal Tree Trimmer, 18" Epoxiglas Pole	3½ lb./1.8 kg.
P4032283P	Blade Only for Any Head	7⁄8 lb./ .4 kg.
C4032213	Universal Pruning Saw	½ lb./ .2 kg.

Cutters - 2150