



# UTILITY TOOL & EQUIPMENT CATALOG

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### **LineStar proudly offers the finest in:**

- Lineman's Tools & Equipment
- Custom Made Grounds and Jumpers
- Tool Repair
- Chain & Strap Hoist Repair, Service & Certification
- Industry Knowledge & Customer Service



**100%**  
**CANADIAN**  
**OWNED**



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## WRENCHES

### EXTRA CAPACITY ADJUSTABLE WRENCHES

Forged heat-treated alloy steel for maximum strength. Extra capacity jaws allows use of a smaller wrench to handle bigger jobs.



Plastic-Dipped Handle

Part #	Handle	Finish Capacity
<b>D507-8</b>	Plastic-Dipped	1-1/8"
<b>D507-10</b>	Plastic-Dipped	1-5/16"
<b>D507-12</b>	Plastic-Dipped	1-1/2"

### LINEMAN'S "BELL" WRENCHES

Heat treated forged steel. Each end has two size openings. Used on heavy three-bolt guy clamps on which clearance is limited.



Part #	Large End	Small End
<b>3146</b>	29/32" x 1-3/32"	5/8" x 13/16"
<b>3146A</b>	1-1/16" x 1-5/16"	5/8" x 7/8"
<b>3146B</b>	1-1/16" x 1-3/16"	11/16" x 7/8"

### CUSHION GRIP ADJUSTABLE WRENCH

Green Cushion Grip Handle



Part #	Length	Max Capacity
<b>9AG10</b>	10"	1-3/8"
<b>9AG12</b>	12"	1-1/2"

### ADJUSTABLE WRENCH - Black Industrial Finish



Part #	Length	Max Capacity
<b>9AB10</b>	10"	1-3/8"
<b>9AB12</b>	12"	1-1/2"

## SPECIALTY WRENCHES

### PART # 920 GOAT WRENCH

One side of the jaw is serrated to grip nuts, bolts or pipe from 1/2" to 1-1/4". Made from alloy steel.



### PART # 4477 MICRO-ADJUSTABLE "CLICK TYPE" METAL HANDLE TORQUE WRENCHES

Rugged, durable & easy to operate. All parts made from alloy tool steel for long life accuracy. Accuracy meets or exceeds all applicable government specifications.



## LOCKING PLIERS

### LOCKING PLIERS - MULTI-PURPOSE TOOL

Pliers, pipe wrench, adjustable wrench, all-purpose clamp and wire cutter. Precision machined gripping jaws for greater holding power. Curved jaws with pincher grip hold firmly and securely. Variable pressure control with a quick turn of the adjustment screw. Curved jaw applies four points of pressure on any style of nut or bolt. Release lever quickly and easily unlocks the gripping jaws. Alloy steel is hardened for maximum strength and durability. Durable nickel plated finish provides corrosion resistance and long life. Maximum jaw capacity of 1-5/8" (41mm). Cuts up to 1/4" wires and bolts.



Part #	Max. Jaw Capacity	Overall Length	Weight (lbs.)
<b>10410</b>	1-7/8" (44)	10" (254)	1.2





## SPECIALTY TOOLS

### TRI-PENTA WRENCH

Designed for opening all transformers & switch gears



**SCREWDRIVER** 3/8" screwdriver for opening the primary door on 3 phase transformers.



**SPEED SLEEVE™** Spins freely to open transformers & switch gears 2x faster



**HAND HOLE LID LIFTER**  
Built-in design for lifting hand hold lids



**LIFE & DURABILITY**  
Heat-treated alloy steel

### HEX-KEY WRENCHES

Part #	Keys	Sizes
<b>70591</b>	9	5/64", 3/32", 3/32", 7/64", 1/8", 9/64" 5/32", 3/16", 7/32", 1/4"
<b>70583</b>	8	3/32", 7/64", 1/8", 9/64", 5/32" 3/16", 7/32", 1/4"
<b>70581</b>	8	.05", 1/16", 5/64", 3/32", 7/64" 1/8", 9/64", 5/32"
<b>70570</b>	5	3/16", 7/32", 1/4", 5/16", 3/8"



### RBW-91634 - RATCHETING BOX WRENCH

- 9/16" x 3/4"
- Thick-walled plastic ergonomic handle with centre isolation hole
- Rated 1000V



### GP-223

- 9/16" x 3/4"
- Thick-walled plastic ergonomic handle with centre isolation hole
- Rated 1000V



### BUG WRENCHES

Our other standard models provide unique combinations that allow line workers to carry one tool that will install hundreds of different connectors.

The very popular 3/4" and 9/16" combinations as in **BW-223** and the Heavy-Duty, Forged model **BW-223HD**, are just right when installing or performing maintenance on overhead transformers.



**BW-223**

**BW-223HD**  
with Heavy-Duty Forged Fitting



**9/16**



**1/2**



**3/4**



**5/8**

### BOLT-THRU RATCHET WRENCHES

The unique Bolt-Thru design allows bolts to pass entirely through the socket or ratchet so that the nuts can be secured on any threaded length. Both handle types have reversible ratchet levers.

#### 151T

Stamped steel handle with triple square socket



Stamped  
Steel Handle

Triple square sockets fit  
3/4", 1", 1-1/8" square nuts  
(1/2", 5/8" & 3/4" bolts)



## SPECIALTY TOOLS

### 101T MINI TRIPLE SQUARE WRENCH

The Model 101T Mini Triple Square ratcheting lineman's wrench is designed to meet the specific needs of high line utility workers. The 101T fits most common utility pole fasteners: lag bolts, C-clamps, and suspension bolts. The reduced socket depth and short handle length makes the tool easier to use in tight spaces. The compact size and light weight make it less tiring to use for extended periods or to carry in a tool-belt. Although the new wrench is compact in size, it still delivers big time performance with a torque capacity of 150 lb/ft.



#### Square Socket Openings

- 3/4" for 1/2" hardware
- 1" for 5/8" hardware
- 1-1/8" for 3/4" hardware

#### BRAND NEW DESIGN - TIME TESTED TECHNOLOGY

Length = 8"                      Weight = 1.5 lbs  
150 lb-ft capability      Bolt-Thru                      Vinyl grip for comfort

### 103T DUAL END DISTRIBUTION WRENCHES

#### One wrench does the work of many!

- Five socket sizes in one wrench
- Square = 3/4"(oversize), 1" & 1-1/8"
- Hex = 9/16" & 3/4"
- (3/4" Hex also turns 5/8" square nuts)
- Two handle lengths
- 9" (model 101TDE) & 12" (model 103TDE)
- Ergonomic handle shapes make work more comfortable
- Reversing control on both ends
- Twice as strong as a standard ratcheting box wrench
- Fluorescent orange sockets make the wrenches harder to lose, easier to find
- Bolt-thru design lets bolts pass entirely through sockets and arm head so nuts can be secured on any threaded length.



### TRIPLE SQUARE TOWER WRENCHES

- Three Square Sizes = 1-1/8", 1-5/16" and 1-1/2"
- 103T Stamped 12 Inch / 104T Stamped 15"/105T Stamped 18"
- Bolt-Thru Design
- Provides greatest flexibility for lineman dealing with multiple sized hardware
- Coated with epoxy paint for durability and easy cleaning
- Socket painted fluorescent orange for high visibility
- Designed for utility, construction and maintenance workers



### DOUBLE SQUARE TOWER WRENCH

- Two Square Sizes = 1-5/16" and 1-1/2"
- 52 Cast 15 Inch / 53 Cast 20 Inch / 152 Stamped 17 Inch
- Provides flexibility for lineman dealing with multiple sized hardware
- Bolt-Thru Design • Coated with epoxy paint for durability and easy cleaning
- Designed for utility, construction and maintenance workers • 100% Made in USA

Three new #100T Series Tower Wrenches provide greater flexibility for lineman dealing with the most common nut sizes of tower fasteners. The 1-1/8" x 1-5/16" x 1-1/2" triple square socket allows for tolerances on 1-1/8" square nuts (5/8" bolts), 1-1/4" square nuts (3/4" bolts) and 1-3/8" square nuts (7/8" bolts). It also fits 1-1/2" hex bolts.

The Model 103T is 12" long and weighs 2-3/4 lbs.; the 104T is 15" long and weighs 3 lbs.; the 105T is 18" long and weighs 3-1/4 lbs. All three wrenches will fit into most common holsters.

All three wrenches have rugged, fabricated steel handles capable of supplying 300 lb-ft of torque. The bolt-thru feature allows long bolts and threaded rods (up to 1-1/8" diameter) to pass completely through the wrench head. Each wrench also has a large control lever on the side of the head to make reversing easy with or without work gloves.

The complete assemblies are coated with an epoxy paint for durability and easy cleaning. Designed specifically for utility, construction and maintenance workers, the 100T Series tower wrenches' extended length stands out on the job.



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# IMPACT SOCKETS

## 1/2" DRIVE SOCKETS



6 Point Deep Well



6 Point Standard



12 Point Deep Well



12 Point Standard

Part #	Size	Length	Part #	Size	Length	Part #	Size	Length	Part #	Size	Length
4516	1/2"	3-3/64"	4016	1/2"	1-7/16"	4616	1/2"	3-3/64"	4116	1/2"	1-7/16"
4518	9/16"	3-3/64"	4018	9/16"	1-7/16"	4618	9/16"	3-3/64"	4118	9/16"	1-7/16"
4520	5/8"	3-3/64"	4020	5/8"	1-15/32"	4620	5/8"	3-3/64"	4120	5/8"	1-15/32"
4522	11/16"	3-3/64"	4022	11/16"	1-15/32"	4622	11/16"	3-3/64"	4122	11/16"	1-15/32"
4524	3/4"	3-3/64"	4024	3/4"	1-15/32"	4624	3/4"	3-3/64"	4124	3/4"	1-15/32"
4526	13/16"	3-3/64"	4026	13/16"	1-9/16"	4626	13/16"	3-3/64"	4126	13/16"	1-9/16"
4528	7/8"	3-3/64"	4028	7/8"	1-5/8"	4628	7/8"	3-3/64"	4128	7/8"	1-5/8"
4530	15/16"	3-3/64"	4030	15/16"	1-5/8"	4630	15/16"	3-3/64"	4130	15/16"	1-5/8"
4532	1"	3-3/64"	4032	1"	1-11/16"	4632	1"	3-3/64"	4132	1"	1-11/16"
4534	1-1/16"	3-3/64"	4034	1-1/16"	1-3/4"	4634	1-1/16"	3-3/64"	4134	1-1/16"	1-3/4"
4536	1-1/8"	3-3/64"	4036	1-1/8"	1-13/16"	4636	1-1/8"	3-3/64"	4136	1-1/8"	1-13/16"
4540	1-1/4"	3-3/64"	4038	1-3/16"	1-7/8"	4638	1-3/16"	3-3/64"	4138	1-3/16"	1-7/8"
			4040	1-1/4"	1-59/64"	4640	1-1/4"	3-3/64"	4140	1-1/4"	1-59/64"

## 1/2" DRIVE SOCKETS SETS



Rail &amp; Clips

### Part # 6 Point Deep Well Socket Sets

**410** 8 Pc 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1 Rail & 8 Clips

**414** 11 Pc 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1 Rail & 11 Clips

### Part # 6 Point Standard Socket Sets

**419** 14 Pc 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-3/16", 1-1/4", 2 Rails & 14 Clips

**423** 18 Pc 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-3/16", 1-1/4", 10" Ratchet, 5" Extension, Flex Handle & Metal Box

### Part # 12 Point Deep Well Socket Sets

**409** 8 Pc 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1 Rail & 8 Clips

**402** 11 Pc 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1 Rail & 11 Clips

### Part # 12 Point Standard Socket Sets

**418** 12 Pc 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 10" Ratchet, 5" Extension, Metal Box

**417** 15 Pc 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-1/4", 10" Ratchet, 5" Extension, Metal Box

## 1/2" DRIVE RATCHET & TORQUE WRENCHES



**4433 1/2" DRIVE RATCHET WRENCH**  
10-1/4" Overall Length

**5454A 1/2" DRIVE RATCHET WRENCH**  
16" Overall Length



**4437 1/2" DRIVE FLEX WRENCH**  
Knurled Handle, 10-5/8" Overall Length



**57005 RATCHET TORQUE WRENCH 3/8" DRIVE**  
30 - 150 Inch Pounds, 10-5/8" Overall Length

**57010 RATCHET TORQUE WRENCH 1/2" DRIVE**  
50 - 250 Inch Pounds, 24-1/4" Overall Length

## INSULATED RATCHET WRENCH

This 9" insulated wrench provides protection against electrical shock up to 1,000VAC and is made of a lightweight, high-impact composite that is as strong as steel.

### Part #

<b>TE06IRW-U</b>	3/8" Drive with Universal Fitting
<b>TE06IRW</b>	3/8" Drive Wrench Only
<b>TE08IRW-U</b>	1/2" Drive with Universal Fitting
<b>TE08IRW</b>	1/2" Drive Wrench Only



The oversized forward/reverse lever is easy to turn even when the worker is wearing gloves.





## PLIERS

### LINEMAN'S PLIERS



The Original Lineman's Pliers  
Sure-gripping cross-hatched knurled jaws.  
Hot riveted joint ensures no handle wobble.  
Also available with "Journeyman" style soft handles.

#### HEAVY-DUTY SIDE-CUTTING PLIERS

**Part #**

**D2000-9NE** Plastic-Dipped Handles  
**HD2000-9NE** Heavy-Duty Plastic Dipped Handles  
**D2000-9NETH** Plastic Dipped Handles & 5/8" Bolt Thread  
*Cuts ACSR, nails, screws & most hardened wire*

#### HIGH-LEVERAGE SIDE-CUTTING PLIERS

**Part #**

**D213-9NE** Plastic-Dipped Handles  
**HD213-NE** Heavy-Duty Plastic Dipped Handles  
**D213-9NETH** Plastic Dipped Handles & 5/8" Bolt Thread  
*DO NOT CUT ACSR*

### DIAGONAL-CUTTING PLIERS



**Part #**

**D228-7** 7-1/8" Red Plastic Dipped Handles  
**D228-8** 8-1/16" Red Plastic Dipped Handles  
**D248-8** 8-1/16" Same as D228-8 but with Angled Head



**Part #**

**D202-5** 5-9/16" Red Plastic Dipped Handles  
**D202-6** 6-1/8" Red Plastic Dipped Handles  
Use "C" suffix for spring loaded self-opening jaws

### DIAGONAL-CUTTING PLIERS



#### LONG NOSE PLIERS

**Part #**

**D203-5** 5-5/8" Side Cutting Jaws, Yellow Dipped Handles  
**D203-6** 6-5/8" Side Cutting Jaws, Yellow Dipped Handles  
**D301-5** 5-5/8" Standard Jaws, Yellow Dipped Handles  
**D301-6** 6-5/8" Standard Jaws, Yellow Dipped Handles  
Use "C" suffix for spring loaded self-opening jaws



**Part # 1005 CUTTING & CRIMPING TOOL**

Crimping die marked for insulated & non-insulated solderless terminals & connectors.

### PLUMP PLIERS

Secure tongue and groove design for non-slip grip – even with heavy pressure. Wide range of versatile jaw positions.



Part #	Jaw Capacity	Overall Length	Weight (lbs.)
<b>D502-10</b>	1-3/4" (45)	10" (254)	.97
<b>D502-12</b>	2-3/8" (60)	12-1/4" (311)	1.37
<b>D502-16</b>	4-1/4" (108)	16-3/4" (425)	3.22

## SPECIALITY TOOLS

### LEATHERMAN WAVE MULTI-TOOL

The Leatherman Wave multi-tool is hands down our most popular model, made famous by its outside-accessible blades that can be deployed with just one hand. When we redesigned it in 2004, we gave the new Wave larger knives, stronger pliers, longer wire cutters, and all-locking blades. Perfect for any job, adventure, or everyday task, the Wave multi-tool is an international best-seller.



#### Tools:

Needle nose Pliers	Regular Pliers
Wire Cutters	Hard-wire Cutters
420HC Knife	420HC Serrated Knife
Saw	Scissors
Wood/Metal File	Diamond-coated File
Large Bit Driver	Small Bit Driver
Medium Screwdriver	Ruler (8 inch/19 cm)
Bottle Opener	Can Opener
Wire Stripper	

## SCREWDRIVERS & NUT DRIVERS



### KEYSTONE-TIP ROUND SHANK

Part #	Tip Width	Shank Length	Overall Length
602-3	7/32"	3"	6-3/4"
602-4	1/4"	4"	8-11/32"
602-6	5/16"	6"	10-15/16"
602-8	3/8"	8"	13-7/16"
602-10	3/8"	10"	15-7/16"
602-12	3/8"	12"	17-7/16"



### PHILLIPS-TIP ROUND SHANK

Part #	Point Size	Shank Length	Overall Length
603-1	#2	1-1/2"	3-7/16"
603-3	#1	3"	6-3/4"
603-4	#2	4"	8-5/16"
603-6	#3	6"	11"
603-7	#2	7"	11-5/16"
603-10	#2	10"	14-5/16"



### KEYSTONE-TIP SQUARE SHANK

Part #	Tip Width	Shank Length	Overall Length
600-4	1/4"	4"	8-11/32"
600-6	5/16"	6"	10-15/16"
600-8	3/8"	8"	13-7/16"
600-12	1/2"	12"	17-7/16"



### CABINET-TIP ROUND SHANK

Part #	Tip Width	Shank Length	Overall Length
605-4	1/4"	4"	8-11/32"
605-6	1/4"	6"	10-15/16"
605-8	1/4"	8"	12-11/32"
605-10	1/4"	10"	14-11/32"

### WIHA 53040 12.0 X 200MM SOFTFINISH EXTRA HEAVY DUTY SLOTTED SCREWDRIVER



Featuring advanced technology dual material molding. A remarkable improvement in handle design, comfort and performance. The SoftFinish ergonomic shape allows maximum torque and user comfort.



## CUSHION GRIP NUT DRIVERS



Insulated screwdrivers & nut drivers are available. Add "INS" suffix to the part number.

### 3" & 4" SHANKS

Part #	Hex Size	Shank Length	Overall Length
<b>630-3/16</b>	3/16"	3"	6-3/4"
<b>630-1/4</b>	1/4"	3"	6-3/4"
<b>630-5/16</b>	5/16"	3"	6-3/4"
<b>630-11/32</b>	11/32"	3"	6-3/4"
<b>630-3/8</b>	3/8"	3"	6-3/4"
<b>630-7/16</b>	7/16"	3"	7-5/16"
<b>630-1/2</b>	1/2"	3"	7-5/16"
<b>630-9/16</b>	9/16"	4"	9-3/8"
<b>630-5/8</b>	5/8"	4"	9-3/8"
<b>631</b>	7 piece set sizes 3/16" thru 1/2"		

### 6" SHANKS

Part #	Hex Size	Shank Length	Overall Length
<b>646-3/16</b>	3/16"	6"	9-3/4"
<b>646-1/4</b>	1/4"	6"	9-3/4"
<b>646-5/16</b>	5/16"	6"	9-3/4"
<b>646-11/32</b>	11/32"	6"	9-3/4"
<b>646-3/8</b>	3/8"	6"	9-3/4"
<b>646-7/16</b>	7/16"	6"	10-5/16"
<b>646-1/2</b>	1/2"	6"	10-5/16"
<b>646-9/16</b>	9/16"	6"	11-3/8"
<b>646-5/8</b>	5/8"	6"	11-3/8"
<b>647</b>	7 piece set sizes 3/16" thru 1/2"		

## MEASURING TOOLS

### MEASURING TAPES

Oversized numbers for quick and accurate readings. Baked on epoxy coating resists rust & scratches.



Part #	Length	Case
<b>922-16</b>	16'	Chrome
<b>922-25</b>	25'	Chrome
<b>922-30</b>	30'	Chrome
<b>928-25HV</b>	25'	Hi-Vis Orange

### FIBREGLASS TAPES

1/2" woven fibreglass tapes with moisture-proof coating. Tape line is graduated in feet & inches to 8ths.



Part #	Length	Case
<b>946-50</b>	50 Feet	Hard Case
<b>946-100</b>	100 Feet	Hard Case
<b>946-150</b>	150 Feet	Open Reel

### 61662 FOLDING FIBREGLASS RULES

- Combination Metric & Inch
- 2 Meter / 78", 15mm/ 5/8" wide
- 10 Sections, Deep Embossed
- Outside Reading Metric
- Inside Reading Inch
- 1/16" & 1mm/CM Marks



## HAMMERS



Part #	Head Weight	Overall Length
<b>808-16</b>	16 Ounce	13"
<b>808-20</b>	20 Ounce	14"
<b>818-16</b>	16 Ounce	13"
<b>818-20</b>	20 Ounce	14"
<b>832-32</b>	32 Ounce	15"
<b>809-36</b>	36 Ounce	14"
<b>803-16</b>	16 Ounce	13-1/2"
<b>803-24</b>	24 Ounce	15"
<b>803-32</b>	32 Ounce	15"
<b>823-48</b>	48 Ounce	10"



**803, 809 & 818** series have fibreglass shaft handles with neoprene grip.  
**803, 823 & 832** series have wooden handles. All heads are made of forged, tempered steel.

## KNIVES



### LINEMAN'S SKINNING KNIVES

Style	Part #	Description
<b>A</b>	<b>1570-3</b>	Flat stock handle with notched blade & ring
<b>B</b>	<b>7086</b>	Round stock handle with notched blade & ring
<b>C</b>	<b>7090</b>	Ergonomic handled knife that features a 9-7/8" length with an accessory ring
<b>D</b>	<b>70904</b>	Ergonomic handled knife that features a 9-7/8" length with a notched and blunt point



### M4455-50 Universal Skinning Knife

Fits on the spline of any brand of universal hot stick and has a 3" blade.

### BB-1 Brush Blade - 2 Tools in 1

Integrated wire brush for cleaning conductors to make better connections. Brushes up to 1000 MCM Conductor. Wire brush is easily replaceable. Blade brush design discourages scraping the aluminium conductors which can distort the size. Stainless steel black oxide coated blade for maximum durability and sharpness.



**4089**  
Skinning  
Knife Holder



**4051**  
Drawknife  
Holder



### 46037 Cable Splicers Kit

Includes 1 each of the knife, scissors and pouch.

Part #	Description
<b>44200</b>	Splicer's Knife
<b>2100-7</b>	Scissors
<b>5187</b>	Leather Pouch

## POCKET KNIVES



### 44001-BLK Lockback Knife

Same as the 44001 but with a black chrome blade and an anodized-aluminum handle.



### 44005 Lockback Knife

The Sheepfoot style blade is 2-5/8" long. The handle is made of a impact-resistant nylon resin.



### 44006 Lightweight Lockback Knife 2-58" Sheepfoot Blade

Sheepfoot blade is AUS 8 stainless-steel hardened to 58-59 Rc. Anodized-aluminum handle for corrosion resistance. Reversible thumb stud provides easy, one-handed opening. Includes removable pocket/belt clip for easy access.

All Lockback knives have a reversible thumb stud for easy, one-handed opening.

## POCKET KNIVES AND SHARPENERS

### 44037 Sportsman Knife

The curved handle is made of ebony wood with a brass bolster. The stainless steel blade is 3-3/8" long. Comes with a leather snap case with belt loop.



### 44150 Multi-Purpose Sharpening Steel

Tungsten carbide bonded to fine, medium and rough surfaces can sharpen any blade. The chisel point is useful for other jobs that would harm a knife such as prying, chiseling, scrapping or splitting.



### 44001 Lockback Knife

Features a 2-1/2" AUS8 stainless steel blade and belt clip. 3-1/2" closed length.

### 48036 Knife Sharpener

High-grade, tungsten carbide inserts sharpen both sides of the blade at the same time.





## HYDRAULIC IMPACT WRENCHES



### ID07810 Hydraulic Impact Wrench

This wrench develops 500 foot pounds of torque but weighs just over 7 lbs. The 7/16" quick change chuck is standard and a 7/16" hex to 1/2" square adapter is included. It is fully reversible and has a flow rate of 4-12 gpm. Rugged and durable, this quality tool will outperform and outlast all others.



### 7121

7/16" Hex to  
1/2" Square Adapter



### H8508-1 Hydraulic Impact Wrench

A reversible, twin hammer wrench that develops up to 400 ft-lbs of torque with a 7/16" hex quick change chuck. The operating pressure is 1,000 to 2,500 psi with a flow rate of 4-10 gpm. A 7/16" hex to 1/2" square adapter is included. Weighs 7.1 lbs.



### HW1 Hydraulic Impact Wrench

Impact and temperature resistant replaceable polymer grip designed to dissipate heat from the cast handle. Increased service life with the addition of back-up rings and larger O-rings. Built-in hydraulic check valve to eliminate damage from an improperly connected tool.

**Part #HW1V Hydraulic Impact Drill w/ Torque Control**

These Hydraulic Wrenches Are Pressure Tested and Torque Certified Prior To Shipment

## BATTERY POWERED IMPACT WRENCHES



### BTW251 Impact Wrench

- 1/2" Square Drive, Variable Speed, Reversible, Round Head Pin
- High Torque To Size / Weight Ratio
- LED Light with Afterglow feature
- Compact and Lightweight Design (Only 6-1/2" Long)
- Ergonomic Soft Rubber Grip design for vibration absorption and comfortable operation.



### BL1830 18V Lithium Ion Battery

- Li-Ion Batteries offer extended run time versus Ni-Cad and Ni-MH batteries
- Optimum Charging System utilizes 3 Active Controls (Current, Voltage & Temperature) to maximize battery life
- Built-In Memory Chip communicates with Charger CPU to optimise the charging process based on the unique conditions of each battery.



### DC18RA Charger

- Charges 18V 3.0 Ah Li-Ion battery BL1830 in just 22 minutes!
- 3 Active Controls System (Current, Voltage & Temperature) provides an optimal charge and ensures battery cannot be overcharged or overheated during the charging process
- Forced Air Cooling Fan keeps battery at optimum charging temperature and prevents over heating
- Digital Power Display indicates condition of battery and current charge level (-80%, +80%, 100%)



# 1/2" DRIVE IMPACT SOCKETS

These "Double Square" sockets are used on 1/2" drive impact wrenches when installing most pole line hardware.



## 8 Point Deep Well

Part #	Size	Length
4772	3/8"	3-1/4"
4774	7/16"	3-1/4"
4776	1/2"	3-1/4"
4778	9/16"	3-1/4"
4780	5/8"	3-1/4"
4782	11/16"	3-1/4"
4784	3/4"	3-1/4"

## 8 Point Deep Well

Part #	Size	Length
4786	13/16"	3-1/4"
4788	7/8"	3-1/2"
4790	15/16"	3-1/2"
4792	1"	3-1/2"
4794	1-1/16"	3-1/2"
4796	1-1/8"	3-1/2"



**1311SD 11 Piece 8 Point Impact Socket Set**  
1/2" Square Drive, Sizes 1/2" to 1-1/8"



## 6 Point Deep Well

Part #	Size
4912	3/8"
4914	7/16"
4916	1/2"
4918	9/16"
4920	5/8"
4922	11/16"
4924	3/4"
4926	13/16"
4928	7/8"
4930	15/16"
4932	1"
4934	1-1/16"
4936	1-1/8"
4938	1-3/16"
4940	1-1/4"
4942	1-5/16"
4944	1-3/8"
4946	1-7/16"
4948	1-1/2"



## 6 Point Standard

Part #	Size
4812	3/8"
4814	7/16"
4816	1/2"
4818	9/16"
4820	5/8"
4822	11/16"
4824	3/4"
4826	13/16"
4828	7/8"
4830	15/16"
4832	1"
4834	1-1/16"
4836	1-1/8"
4838	1-3/16"
4840	1-1/4"
4842	1-5/16"
4844	1-3/8"
4846	1-7/16"
2018	1-1/2"



## 12 Point Deep Well

Part #	Size
4964	7/16"
4966	1/2"
4968	9/16"
4970	5/8"
4972	11/16"
4974	3/4"
4976	13/16"
4978	7/8"
4980	15/16"
4982	1"
4984	1-1/16"
4986	1-1/8"
4988	1-3/16"
4990	1-1/4"
4992	1-5/16"
4994	1-3/8"
4996	1-7/16"
4998	1-1/2"



## 12 Point Standard

Part #	Size
4864	7/16"
4866	1/2"
4868	9/16"
4870	5/8"
4872	11/16"
4874	3/4"
4876	13/16"
4878	7/8"
4880	15/16"
4882	1"
4884	1-1/16"
4886	1-1/8"
4888	1-3/8"
4890	1-1/4"
4892	1-5/16"
4894	1-3/8"
4896	1-7/16"
4898	1-1/2"



## 1312D

### 13 Piece 6 Point Impact Socket Set

1/2" Square Drive, Sizes 7/16" to 1-1/4"

## 1719D

### 19 Piece 12 Point Impact Socket Set

1/2" Square Drive,  
Sizes 3/8" to 1-1/2"



## SPECIALITY SOCKETS & ADAPTERS



### Double Square Sockets

1/2" Square Drive, 5" Long

**Part #**      **Sizes**  
**Z-081618S5**    1" x 1-1/8"



### Triple Square Impact Socket

Three square openings in one socket:

- 3/4" (oversize) for 1/2" hardware
- 1" for 5/8" hardware
- 1-1/8" for 3/4" hardware
- 13/16" diameter, 6" long hollow shaft allows use on long threaded bolts
- Narrowed center allows easy grip with or without gloves
- 7/16" hex quick-change adapter included
- Length 7-3/4", weight 2 lbs

**Part #**      **Sizes**  
**23-26908-9900**    1" x 1-1/8"



### NR1 Nut Runner

This 4-way, 6" deep, socket has openings on both ends. One end accepts 3/4" and 13/16" square nuts while the other end is sized for 1" and 1-1/8" square nuts. The 7/16" hex to 3/4" square adapter is included.

**49782** 7/16" Hex to 3/4" Square Adapter



### NR2 Nut Runner

A larger, 3-way socket similar to the NR1 but for larger size hardware. The NR2 accepts 1-5/16" square nuts in one end and 1-1/8" & 1-1/2" square nuts on the other. The 7/16" hex to 1" square adapter is included.

**21111** 7/16" Hex to 1" Square Adapter



### QR-514

1/2" Square Drive to  
7/16" Quick Change Chuck



### 7121

7/16" Hex to 1/2" Square Adapter  
For up to 300 foot pounds of torque.



### PHS-2

Penta Socket on one end, 3/4"  
Hex Socket on other end. 1/2"  
Female Drive

## GAS POWERED ENGINE DRILL



This high performance drill is extremely rugged and dependable. EDR-260 model has reversible and feature electronic ignition and a rear handle support bracket. The all-position diaphragm carburetor allows for operation at any angle. The EDR-260 has a keyless chuck.

Model #	Engine	Max RPM	Weight
EDR-260	25.4 cc	650	10.7 lbs.



## GAS POWERED ENGINE DRILL



### TED-270PFR Tanaka Gas Powered Drill

TED-270PFR features a more powerful 27 cc, 1.4 h.p. PureFire engine and several safety and comfort improvements.

- 27 cc, 1.4 h.p. PureFire two-stroke engine
- 20:1 gear reduction
- Powered reversing feature
- Dual position padded front handle
- Heavy-duty fuel tank protector
- 12.3 lbs.

## WOOD OWL AUGER BITS



### Deep Cut Ship Augers

Designed for making deep, smooth cuts in Utility Poles, Railroad Ties, Pressure-treated Lumber, Wet or Frozen Wood.

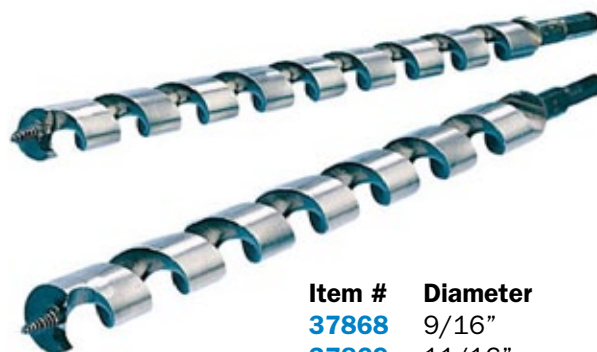
Item #	Diameter	Item #	Diameter
<b>08803</b>	3/8" 9.5mm	<b>08812</b>	15/16" 24mm
<b>08804</b>	7/16" 11mm	<b>08813</b>	1" 25mm
<b>08805</b>	1/2" 13mm	<b>08814</b>	1-1/16" 27mm
<b>08806</b>	9/16" 14mm	<b>08815</b>	1-1/8" 29mm
<b>08807</b>	5/8" 16mm	<b>08817</b>	1-1/4" 32mm
<b>08808</b>	11/16" 17.5mm	<b>08818</b>	1-3/8" 35mm
<b>08809</b>	3/4" 19mm	<b>08819</b>	1-1/2" 38mm
<b>08810</b>	13/16" 21mm		
<b>98811</b>	7/8" 22mm	<b>02390</b>	Re sharpening File

## NAIL EATER EXTREME IMPACT AUGER BITS

- Quickly bore through creosoted and salt-treated utility poles
- Resists wear, eats through nails and staples
- Self-feeding screw point draws the bit through the wood
- 7/16 IN hex shank to fit impact drivers
- Available in 18" overall length



Item #	Diameter
<b>70PT-11/16"</b>	11/16"
<b>70PT-13/16"</b>	13/16"
<b>71PT-11/16"</b>	11/16"
<b>71PT-13/16"</b>	13/16"



Item #	Diameter
<b>37868</b>	9/16"
<b>37869</b>	11/16"
<b>37870</b>	13/16"
<b>37871</b>	15/16"

**24" DRILL BITS AVAILABLE • #05305 - 12" ext. #05306 - 18" ext.**



**British Columbia:**  
**Alberta:**  
**Saskatchewan/Manitoba:**

phone: 604-594-2701 • fax: 604-594-2751  
 phone: 403-243-1900 • fax: 403-243-2063  
 phone: 204-783-9771 • fax: 204-783-8951

**100%**  
**CANADIAN**  
**OWNED** 

## LOW PRESSURE HOSES AND FITTINGS



### Rubber Low Pressure Hose, Orange, Non-Conductive

- Certified non conductive orange rubber.
- Double rayon braid.
- Working pressure 2,250 psi (155 bar) tested to 75 kV/ft. for five minutes.

Item #	Description
<b>135245</b>	Two 3/8" x 8' (10 mm x 2.4 m) I.D. Hoses with 3/8" NPTF male fittings
<b>135247</b>	Two 3/8" x 10' (10 mm x 3 m) I.D. Hoses with 3/8" NPTF male fittings

## LOW-PRESSURE HYDRAULIC HOSE COUPLERS

2,250 psi hose is used with low pressure hydraulic tools. These hoses can be supplied with or without flat face couplers. Hose is non-conductive



**NS-371-6FP Female Coupler**  
3/8" Internal Thread



**NS-372-6FP Male Coupler**  
3/8" Internal Thread

## HYDRAULIC FLOW VALVES & INTENSIFIERS



**49913 Hydraulic Flow Control Valve**  
Used to control the direction of the flow to the tools, forward or reverse. Includes couplers.



**HFC30 Hydraulic Flow Control Valve**  
Operates off of a vehicle's hydraulic circuit. It can accept a flow of up to 30 gpm and reduce it to a maximum of 10 gpm allowing the correct flow to the hydraulic tool.



### 10-1-SA Hydraulic Intensifier

This intensifier increases the pressure of the hydraulic system of a vehicle so that high-pressure tools can be operated without an additional power unit. It operates on either open or closed centre systems and has an optimum operating pressure of 1,800 psi at 6 gpm. Flow range is 4 - 7gpm. Includes a 10' non-conductive, low-pressure twin-line hose and 8' of high-pressure hose.



**PVA0021**  
for Single Acting Tools



**PVA0022**  
for Double Acting Tools



### HB10 Hydraulic Intensifier

Works on both open and closed centre systems and produces 10,000 psi. Input pressure is from 1,000 to 2,000 psi and has a flow rate between 4 - 8 gpm. Couplers & hose sold separately.

### High-Pressure Hydraulic Control Valves

These 4-way, 3-position valves can be connected directly to the tool or used remotely with hoses. Output side couplers included.

## HYDRAULIC PRUNERS

The power-to-weight ratio of hydraulic tools is significantly higher than most gasoline powered tools, making them the popular choice among professional arborists, right-of-way crews and utilities. These hydraulic tools operate on either Open or Closed Centre systems and come with a standard 3/8" NPT Male Adapter.



### CS28 Series Hydraulic Chain Saws

This long reach saw has a 12" saw bar and an automatic chain oiling system. Available in overall lengths of either 75" or 90".

**CS28811** 90" Hydraulic Chain Saw

**CS28812** 75" Hydraulic Chain Saw

### CS25 Series Hydraulic Chain Saws

Same as the CS28 but with a flow rate of 4-6 GPM

**CS25811** 90" Hydraulic Chain Saw

**CS25812** 75" Hydraulic Chain Saw

- Flow Rate 7 - 9 GPM
- Operating Pressure 1,000 - 2,000 PSI
- 75" Model Weighs 8.4 lbs.
- 90" Model Weighs 9 lbs.



### CR27 Hydraulic Circular Saw

This 79" long saw has a 9" blade on an angled head attached to a fiberglass pole. A blade brake reduces "coast-down" time.

- Flow Rate 5 - 7 GPM
- Operating Pressure 1,000 - 2,000 PSI
- Weighs 9.6 lbs.



### 43177 Hydraulic Chain Saw

This long reach saw comes in a standard length of 88.5" with a 13" cutting capacity and weighs 9 lbs. Saws in lengths of 62.5" and 75" also are available. All models offer anti-kickback chain and automatic chain oiler. Insulated fiberglass tubes are tested to OSHA 1910.269.

- Flow Rate 5 - 8 GPM
- Open or Closed Centre Hydraulic Systems
- Operating Pressure 1,000 - 2,000 PSI
- 62.5" Model Weighs 8.25 lbs.
- 75" Model Weighs 8.75 lbs.



### 43180 Hydraulic Circular Saw

The 9" blade mounted on the angular head makes flush cuts easier and directs chips away from the operator. Safety features include hand stop collar, two-step trigger and branch stop. Fiberglass tubes are tested to meet OSHA regulation 1910.269.

- Flow Rate 4 - 6 GPM
- Open or Closed Centre Hydraulic Systems
- Operating Pressure 1,000 - 2,000 PSI
- 5,250 RPM at 6 GPM
- Weighs 9 lbs; Overall Length 82"



## HYDRAULIC PRUNERS & SAWS



### 48520 Hydraulic Utility Pruner

Heavy cutting capacity cuts branches up to 2". The full power return quickly forces the blades back open. Insulated fiberglass tubes are tested to OSHA 1910.269.

- Flow Rate 5 - 8 GPM
- Open Centre Hydraulic System
- Operating Pressure 1,000 - 2,000 PSI
- Weighs 10.6 lbs; Overall Length 86"

### CS06620 Hydraulic Chain Saw

This chain saw produces almost twice as much power as it's gasoline engine counterparts but weighs only 6-1/4 lbs! Comes standard with a 15" bar but 12" & 20" models are available. Excellent saw for all types of wood cutting: Trees, Limbs, Timbers and Utility Poles. Automatic chain oiler, hand guards & low kickback bars are just some of the features.



- Flow Rate 7 - 9 GPM
- Operating Pressure 1,500 - 2,000 PSI
- Overall Length 30"

### CS05620 Hydraulic Chain Saw

Same as the CS06620 but with a flow rate of 4-6 GPM

### HPS513 Chain Saw

Ideal for large trimming and cut-up removal jobs. The chain and bar can be adjusted without removing the sprocket cover. The handle can be adjusted from a horizontal position to 30 or 60 degrees relative to the bar and chain.

- Flow Rate 4 - 8 GPM
- Operating Pressure 1,000 - 2,000 PSI
- Weighs 8-1/2 lbs; Overall Length 26-1/2"
- Runs on Open or Closed Centre Hydraulic Systems
- Includes 12" Whip Hoses with 3/8" NPTF Ends



## CANVAS TOOL BAGS

Canvas Gear Bags with Heavy Vinyl coated reinforced bottoms for protection against abrasion

### Tool Bag 12" with #8 Canvas

Canvas Tool Bag, Steel Frame, Web Handle  
Hard Bottom, Vinyl Reinforced, Leather Strap Closure

**2114-12** 12"L X 7.5"W X 12"H

**2114-14** 14"L X 7.5"W X 14"H

**2114-18** 18"L X 9"W X 12"H

**2114-20** 20"L X 9"W X 14"H



2114-14



2114-12



2114-18



2114-20



### Tool Bag 22" with #4 Canvas, 2 Outside Pockets

Canvas Tool Bag, Steel Frame, Web Handle  
Hard Bottom, Vinyl Reinforced, Leather Strap Closure

**2175** 22"L X 10"W X 18"H  
Weight 7 lbs.

## HEAVY DUTY GEAR BAGS



### 2117-1PCAM0-F Tool Bag

Tough water resistant vinyl fabric with a polymer plastic base, weather flap and large pocket. Leather strap closures and 2" webbing carry handles with box X reinforcement. 24"L x 10"W x 19"H



### 45333B35S - Tool Bag

Hard rubber bottom equipment bag has a 2" molded rubber lip that prevents water from seeping into the bottom of the bag. Heavy gauge rubber bottom is double stitched to the bag; very durable, even in cold weather.  
24"L X 10"W X 19"H



## HEAVY DUTY GEAR BAGS



### 2190-1LOSP - Tool Bag 24" with Heavy Vinyl Coated Nylon & 1 Large O/S Pocket

Heavy Vinyl Coated Nylon, Weather Flap, Web Handles, Hard Board Bottom, Vinyl Reinforcement, Leather Buckle Closure  
24"L X 10"W X 19"H



### 2117-CAHDL Large Tool Bag with Wheels

Nylon Cordura Tool Bag, Wheels, Shoulder Strap, Molded Plastic Bottom, Camo Design  
24"L X 10"W X 19"H

### 4133301R5W1 - Tool Bag with Wheels

A rubber bottom tool bag with wheels is ideal for transporting equipment between trucks or to remote work sites. Features heavy-duty rubber wheels designed for years of use. Push button handle retracts when not in use. Wheels can be manufactured with any 11" wide by 24" long rubber bottom tool bag by adding suffix 'W1'.



## ROUND CANVAS TOOL BUCKETS

These Heavy-Duty canvas bags are available with "Blackwrap" plastic reinforced walls that prevent the bags from "collapsing". The molded plastic bottom protects against all kinds of weather.

Canvas bucket made with heavy canvas construction. Solid continuous PVC ring in top and polypropylene rope.



### 1215 - Canvas Bucket

With 4958 brass swivel snap. Features an 8" x 8" inside pocket and has a molded rubber bottom.  
12" Dia. x 15"H.



### 1217 - Canvas Bucket

Features an 8" x 8" inside pocket and has a molded rubber bottom.  
12" Dia. x 15"H.



### 11215 - Canvas Bucket

With 4958 brass swivel snap. Features an 8" x 8" inside pocket and a leather bottom reinforced with masonite.  
12" Dia. x 15"H



### 11217 - Canvas Bucket

Features a polypropylene rope and an 8" x 8" inside pocket. Has a leather bottom which is reinforced with masonite.  
12" Dia. x 15"H.



## ROUND CANVAS TOOL BUCKETS



**1230 - Mini Tool Bucket**  
Can be used for connectors, nuts, and other small items. Can be set on desk or hung in vehicle for other uses. Great for safety awards. Diameter 5". Height 7".

**1231**  
**Mini Tool Bucket**



**5171PS**  
**Heavy-Duty Tapered-Wall Buckets with Pockets**  
Heavy duty canvas. Swivel snap. 4 outside pockets. 12" top diameter. 9" bottom diameter



**5106S**  
**Straight - Wall Buckets - Swivel Snap**  
Heavy duty canvas. Swivel snap. 14" top diameter. 9" bottom diameter



**309C - Canvas Bucket**  
Heavy duty canvas. Steel top ring. Polypropylene. Rope with 4958 brass swivel snap. Molded rubber bottom. Inside glove strap. Diameter 9". Height 11-1/2".

## SPECIALTY TOOL BUCKETS & BAGS

These Heavy-Duty tool bags are made of a PVC impregnated, weatherproof fabric. They boast marine-proof rivets, industrial strength double nylon stitching and oversized zippers. Tools are stored vertically for easy identification. The hinged handle is rubber coated and all bags come with a non-slip, extra-wide padded shoulder strap.



**5144HBS - Hard Body Oval Bucket**  
Includes leather skinning knife sheath and 14 other interior pockets. Orange, non-conductive plastic exterior maintains bucket shape. Fabric constructed of rugged denier polyester to resist wear and tear on the jobsite. Black molded polypropylene bottom with drain holes.



**1815-14-HB-HQ**  
**Oversized Oval Tool Bucket**  
Oversized Oval, Black Nylon Cordura Body, Handles Hard Body Liner, Inside and Outside Pockets. 15"L X 9"W X 9"H



**2658-AMP**  
**Ampact Tool Bag, Canvas Glove Bag Style**  
Heavy Duty Canvas, Inside Pocket, Oversized Top. Flap, 10 Shell Loops, Snap Closures. 7" L X 6" W X 18" H

## SPECIALTY TOOL BUCKETS & BAGS

These Heavy-Duty tool bags are made of a PVC impregnated, weatherproof fabric. They boast marine-proof rivets, industrial strength double nylon stitching and oversized zippers. Tools are stored vertically for easy identification. The hinged handle is rubber coated and all bags come with a non-slip, extra-wide padded shoulder strap.



### 45150 - Line Hose Bag

Made of heavy weight canvas. 3/8" polypropylene handle. Molded 12" bottom with drainage holes. Add Y to the end of the product number for yellow or O1 for Orange. Add S1 to order the bag with a snap. Solid PVC ring. Diameter-12", Length-48".

### 45151 - Line Hose Bag

Made of heavy weight canvas. 3/8" polypropylene handle. Molded 12" bottom with drainage holes. Add Y to the end of the product number for yellow or O1 for Orange. Add S1 to order the bag with a snap. Solid PVC ring. Diameter-12", Length-60".



### 2007-AMP - Telephone Service Bucket, Snap

Heavy Duty Canvas, Molded Top Ring and Btm, Leather Rope Holes, Polypro Handle, Snap. 10" dia. X 12" H

## AERIAL OVAL TOOL BUCKETS

These bags are basically the same as those on the opposite page but without web strap handles.



### 12169H1K - Canvas Bucket

Heavy duty canvas. 12 inside pockets. PVC bumper to keep bucket from tilting. Molded rubber bottom. 2 PVC hooks. Length 14", Width 6 1/2", Height 10".



### 1820-HBL Aerial Tool Bucket with Hard Body

Heavy Canvas Oval Bucket, Hard Body Plastic Liner. 15 Inside Pockets. 15"L X 7"W X 9"H



### 1820-HB-CL Aerial Tool Bucket with Hard Body & attached Cover

Heavy Canvas Oval Bucket, Hard Body Plastic Liner. 15 Inside Pockets. 15"L X 7"W X 9"H

## AERIAL OVAL TOOL BUCKETS

These bags are basically the same as those on the opposite page but without web strap handles.



### 12166 - Canvas Bucket

Heavy duty canvas. 8 inside tool pockets. Large grommet hole. Molded bottom with drain holes. Molded top ring. 2 PVC hooks. Length 14", Width 6 1/2", Height 10".



### 1807-3 Aerial Bucket for Bolt Cutters & Compression Tools

Large Oval Compression Tool Bag. Hard Body Plastic, Dividers Form 5 Compartments. 16"L X 9"W X 20"H



### 1815-14-2G Splicers Tool Bucket with 2 Grommets

14 Outside Pockets & 15 Inside Pockets. Carry Handles, Molded Bottom & 2 Grommets. 15"L x 7"W x 9"H

1807-3HD 16"L X 9"W X 40"H

## AERIAL BUCKET TOOL APRONS



### 4500Y Aerial Basket Tool Apron

Sewn in Stiffener. 2 pocket holster. Hammer loop. PVC cap bottom. 2 nut and bolt bags. 11 socket pockets. 2 PVC pipe inserts for auger bit holders. Length 23-7/8", Width 4", Height 21-3/4".



### 4500YM2 Aerial Basket Tool Apron

An aerial tool basket apron that features a magnetic strip that allows linemen to store loose hardware and easily access it when required.



### 1828 Aerial Canvas Tool Apron

7 Hand Tool Pockets & 1 Pouch. 3 Hammer Loops. 18"L x 4"W x 10.5"H



## AERIAL BUCKET TOOL APRONS



### 1826 Aerial Canvas Tool Apron

8 Hand Tool Pockets  
& 1 Pouch.  
1 Quick Release Snap.  
18"L x 4"W x 19.5"H



### 1829-HB-7 Aerial Tool Apron with Inosil & Hard body

Features Inosil Corrosion Shield & Hard body Stiffener. Multiple Hand Tool Pockets, Bolt Cutter Sleeve & Drill Bit Holder.  
23.9"L x 4"W x 21.25"H



### 1093 Crimp Tool Holster/In-line Style/Large

Foam Padded, Snap/ D-Ring Belt Loop.  
Black Woven Nylon 1000d.  
7.5"W X 21"H



### 1825-BT Aerial Apron to Hold Battery Operated Tools

Yellow Vinyl Coated Nylon, 2 Grommets. Steel Frame, Bottom Reinforcement.  
15.5"L X 4"W X 13"H



### 1825-BT-P Aerial Apron to Hold Battery Operated Tools

Yellow Vinyl Coated Nylon, 2 Grommets. Steel Frame, Bottom Reinforcement.  
15.5"L X 4"W X 13"H



### 1861 Tool Holder for Inline 12 ton Compression Tool

Yellow Vinyl Coated Nylon, 2 Grommets. Tool Holder for Inline 12 ton Compression Tool. 9"L X 6"W X 21.5"H



### 1863 Hydraulic Crimper with Intensifier at the Head

Yellow Vinyl Coated Nylon, Plastic Bottom. 1/2" Thick Polyethylene Back. 8" Diam. X 16"H(bag), 24"H (back)



### 2114-20-EK Tool Bag 20" with #8 Canvas with Foam Insert

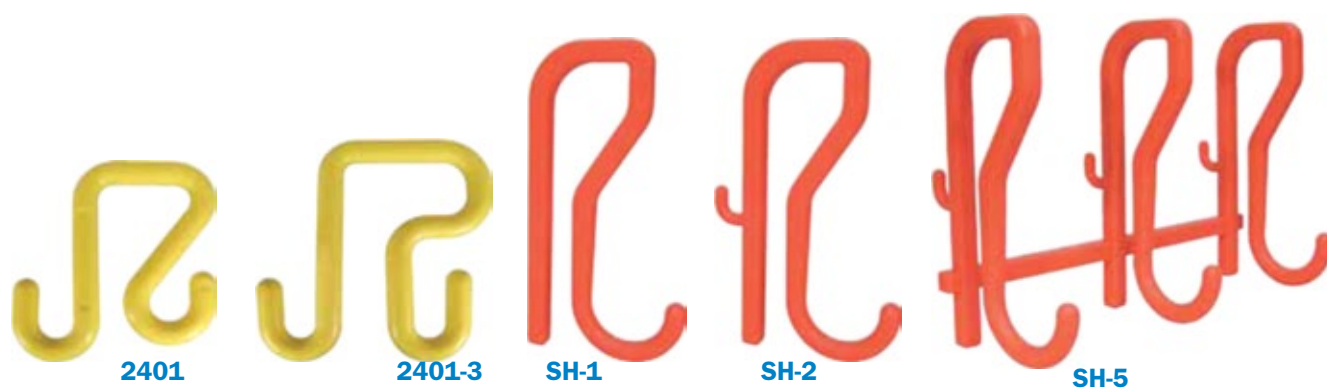
Heavy Canvas Tool Bag, Steel Frame, Leather. Closure, Holds Foam Insert for for Huskie inline tools & Parts.  
20"L X 9"W X 14"H



### IWH3 Impact Wrench Holster with Bit Holder, Outside Mount

- Outside Mount
- 13" Deep
- 19" Integrated Bit Holder
- Fits Wrench w/ Socket Attached
- Offers Maximum space efficiency
- Semi Flexible polymer construction
- Excellent Dielectric, cold weather, chemical resistance and UV properties

## AERIAL BUCKET HOOKS & TOOL BOARDS



### Nylon, Polymer & PVC Bucket Hooks

<b>2401</b>	Yellow Polymer Hook for 2" Lip 11/16"
<b>2401-3</b>	Yellow Polymer Hook for 3" Lip 11/16"
<b>2403</b>	Nylon Polymer Hook for 3" Lip 5/8"
<b>SH-1</b>	Red Nylon Single Hook for 2" Lip 3/4" Square
<b>SH-2</b>	Red Nylon Single with Back Hook for 2" Lip 3/4" Square
<b>SH-3</b>	Red Nylon Triple Hook for 2" Lip 3/4" Square
<b>SH-5</b>	Red Nylon Triple with Back Hook for 2" Lip 3/4" Square



05-829-L

### 05-829-L Lighted Tool Board with Utility Bag 6.5 lbs.

- One piece design fits both buckets with and without liners
- Special designed bracket enables the tool boards to be easily in-stalled and removed without tools
- Each board has a four pocket leather tool pouch, leather knife pouch, nylon loops, and hammer loop
- Utility bag is made from heavy duty cordura
- A wide leather loop is riveted on the top of bag for easy access with rubber gloves
- Also available with lights above the cordura bag and lights along the entire bottom of board. Ideal for night time and low light conditions. Battery and switch operated. 2 AA batteries included.



05-830

### 05-830 Tool Board with Socket Holder 9 lbs.

- Tool board 05-829 also available with a socket holder
- Holds deep throat sockets from 1/2" to 1"

## AERIAL BUCKET TOOL HOLDERS



05-831

### 05-831 Multi-Purpose Impact Wrench and Drill Holster

- Attaches to buckets with and without liners
- Holder can be mounted inside or outside
- Top bracket can be moved to either side to enable holder to be used right or left handed
- Two models to choose from
- Two drill bits can be stored in the multi-purpose holder
- Includes velcro hold down strap to keep wrench in place



05-832

Impact Wrench and Drill Holster



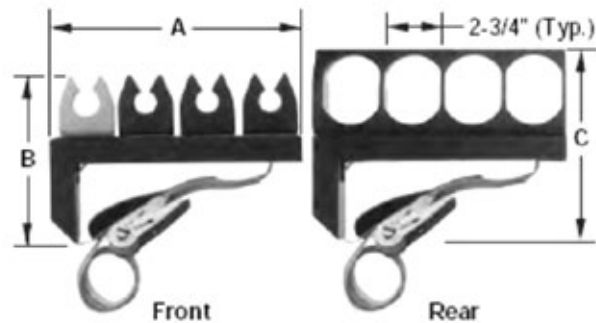
### 4514 Fiberglass Chain Saw Scabbard

The fiberglass chainsaw scabbard is designed to store your gas powered or hydraulic chainsaw from your aerial basket. It can be used to mount on the inside or outside of the basket. Overall length is 32". Storage chamber is 6" x 3 1/4" x 17 1/2".



### 4503 - Fiberglass Tool Holder

Equipped with stream light base. Built in hanger to fit over 3 3/4" basket lip. Light sold separately. B2 bumper is available. Length 10", Width 4-1/2".



### 01-P-058-4 - Hot Stick Carriers-Boom Mounted

Used to hold down the hot line insulator blanket on a pole top pin. Installation eye for mounting holder with shotgun stick. 12-1/2" x 8" x 9"



06-177

### 06-177 Boom Mounted Pruner/Saw Holder

- Pruner / saw holder provides an excellent method for storage of hydraulic tools during line clearance work
- Boom mounted tool holders are constructed with fiberglass laminates
- Ratchet load binders with 1" wide nylon straps secures holders firmly to boom
- Gravity type latch secures control end of tool and is easy to open and close
- Unit adapts to square, rectangular, round and oval booms



## AERIAL BUCKET TOOL HOLDERS



### 4037 Compression Tool Holder

Heavy duty orange vinyl and neoprene nylon bottom. Drainage hole in bottom. Grommet holes in top for suspension. Length 26" Width 10"



### TE2480 Plastic Tool Holder

3 Pocket Holder with 2 Grommets



### 05-951 Hastings Tool Tray

Compact Lightweight outside mount tool tray. Ideal for connectors, bolts, nuts, etc. Tray fits buckets with or without liners. Dimensions: 7 1/2" X 6" X 14"



### 05-955 Hastings Durable Light Weight Tool Tray

This durable poly tray is designed to hang on the outside of the bucket. The adjustable bracket eliminates the need for bucket hooks. Inside size: 20" x 6" x 7" Weight: 6.5 lbs • Color: White



### 05-919-1 - Extra Deep Tool Tray

Fibreglass tool tray fits buckets with and without liners. Outside mount.



### 05-918-1 Inside - Outside Tool Tray

Hangs on either outside or inside of bucket using standard hanger hooks (not included) 7-1/2" deep x 6" wide x 14" long



### 05-929-1 - Bucket Tool Tray 20" with Dividers

Attaches on outside of bucket. Tray has five compartments with removable partitions. Tray fits buckets with and without liners.



### 1TB Shallow Plastic Tool Tray

Made of high density polyethylene. Inside dimensions are 8" x 8" x 19". Other sizes are available.



# AERIAL BUCKET ESCAPE & RESCUE SYSTEMS



### 101SR Self Rescue System

This system has all of the components for self-rescue or the rescue of a fellow employee. An "Anti-Panic" safety feature stops the descent if the user compresses the handle too hard. The kit includes 1/2" braided rope in lengths from 50' to 300'. Specify length when ordering.



### 301SR - Self Rescue System

This new self rescue system features a new lightweight, compact design. The lightweight descender is manufactured from aircraft grade aluminum and features an anti panic release brake which will stop the descender if the user releases or compresses the descender all the way. The TVAC descent line measures 6.8mm and is compact and stands up to heat on long descents. System is packed in a weather resistant nylon bag with mesh bottom to let moisture escape. Comes with two rappelling straps. Available in rope sizes: 301SR-50 - 50', 301SR-75 - 75', and 301SR-100 - 100'. Custom lengths are also available. Tested to requirements of ANSI/ASSE Z359.4 Rated to 300 lbs.

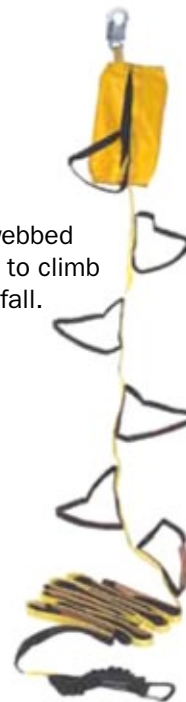


### 106-50 After Fall Self Rescue System

Ideal for the one man crew. The system contains a specially designed bag that releases a ladder, an ascender, descender & 50' of rope.

### 102SRS After Fall Rescue System

This system deploys a 15' webbed ladder allowing an employee to climb back into the basket after a fall.





# BODY HARNESSSES

## 1110841C - ExoFit™XP Arc Flash Harness

- Designed to meet the specific needs of the utility industry
- Back web loop and front rescue loops
- Leather insulators behind hardware for reduced conductivity
- Ergonomic Nomex® /Kevlar® back, shoulder and leg padding always stays in place enhancing comfort and worker satisfaction – it's even removable
- Superior "X" design padding wraps around the wearer for the ultimate in no-tangle donning
- Soft edging moves with you preventing uncomfortable rubbing or chafing enhancing comfort and mobility
- 7,000lb. Nylon webbing for added security
- One-handed quick connect buckles make putting on, adjusting and removing the harness a snap and provide a memory fit – adjust the harness once and it stays that way
- Torso buckles adjust easily, yet hold the straps firmly in place and complete the 5-point adjustment system
- Plated hardware for corrosion resistance
- Size = Large (Medium and X-Large also Available)



## 1110892C - ExoFit™XP Arc Flash/Flame Resistant

- Harness designed to meet the specific needs of the utility industry
- PVC coated back D-ring and hardware for reduced conductivity
- Ergonomic Nomex® /Kevlar® back, shoulder and leg padding always stays in place enhancing comfort and worker satisfaction – it's even removable
- Superior "X" design padding wraps around the wearer for the ultimate in no-tangle donning
- Soft edging moves with you preventing uncomfortable rubbing or chafing enhancing comfort and mobility
- 7,000 lb. Nomex® /Kevlar® webbing for added flame resistance
- PVC coated pass-thru chest, torso and leg buckles complete the 5-point adjustment system for simple and fast adjustment
- Size = Large (Medium and X-Large also Available)



### Miller Revolution Arc-Rated Harnesses #RKNARRL-QC/UBK

The Revolution Arc Rated Products are designed to protect workers from falls caused by electric arc-flash and arc-blast exposure when working at heights or in confined space applications near energized electrical sources.

### HARNESS SIZING MATRIX

HEIGHT	CHEST SIZE					
	34 - 36	38 - 40	42 - 44	46 - 48	50 - 54	56 - 60
5' 4" - 5' 7"	S	S	M	L	XL	2XL
5' 8" - 5' 11"	S	M	L	XL	2XI	3XL
6' - 6' 3"	M	M	L	XL	2XL	3XL
6' 3" +	L	L	XL	XL	2XL	3XL

Most harnesses are available with Kevlar® or fire retardant materials. Custom made harnesses can be made to your specifications using a variety of options. **Call your nearest LineStar branch for more information!**



**British Columbia:**  
**Alberta:**  
**Saskatchewan/Manitoba:**

phone: 604-594-2701 • fax: 604-594-2751  
phone: 403-243-1900 • fax: 403-243-2063  
phone: 204-783-9771 • fax: 204-783-8951





## BUCKYARDS & BODY BELTS



### 8VV114 - Buckyard

For full body harness with steel ring dorsal attachment. Expands to 42". Interior materials stretch to reduce the arresting force to less than 900 lbs. 1706 locking snap hook on both ends. Length 4ft.

### 84V114 - Buckyard

For full body harness w/web loop dorsal attachment. Expands to 42". 1706 locking snap hook on one end and web loop on the other end. Interior materials stretch to reduce the arresting force to less than 900 lbs. Length 4ft.



### C2000M - Body Belt

These "Full Floating" belts have sliding dee rings that allow for a 4" lateral movement on the pole reducing wear on the pole strap. The 5-1/2" foam cushioned pad is reinforced with rawhide lace. The most pliable and highest quality leather available gives these belts the "broken-in" feel. This is the finest belt available. **CSA APPROVED**

### C2000EM Body Belt Like the 2000M but with 4 Dee Rings

Add the suffix "BR" for Brown, "BL" for Black or "BU" for Burgundy.

**CSA APPROVED**



### C20003M - Backsaver Body Belt

This is the 2000M belt as described above but has the added feature of an attached backsaver. The extra width provides support to the back helping to relieve strain. The backsaver helps hold the belt and dee rings in the perfect location and eliminates the possibility of sliding out of the belt.

**CSA APPROVED**

### C20003EM - Body Belt Like the 20003M but with 4 Dee Rings

Add the suffix "BR" for Brown, "BL" for Black or "BU" for Burgundy.

**CSA APPROVED**



### 2012M - Body Belt

A lightweight, full float body belt with a 5" Dri-lex liner designed to wick moisture away from the body. Superior comfort is provided by extra padding in the back support. This belt comes standard with a tongue & buckle strap but is available with a "Quick Disconnect" strap by adding a "K" to the part number.

### 2014M - Body Belt Like the 2012M but with 4 Dee Rings



### 2013M - Body Belt

This belt is like the 2012M but with an 8" backsaver to provide support and relieve lower back strain. It is also available with the "Quick Disconnect" strap by adding the "K" suffix.

### 2015M - Body Belt like the 2013M but with 4 Dee Rings



Order Body Belts By Dee-Ring Size • See Page 35



## BODY BELTS



### 2019MC - Light Weight Full Float Body Belt

4 Dee Body Belt features:

Dri-lex® lined, Stacked dee rings, 2 large full float double bar dee, 2 small dee rings, Back support; no gut strap, Weight 6.72 lbs.

**CSA APPROVED**



### C2107MC - 4-Dee Ring Body Belt

This belt offers the same high quality features of the 2000M with the added benefit of stacked dee rings. Other features include 2 large full float, double bar dee rings providing up to 4" of lateral movement, 2 small dee rings, a 9" padded back pad, a removeable "Man Rated" gut strap. CSA approved.

*Add the suffix "BR" for Brown, "BL" for Black or "BU" for Burgundy*



### C2100MC - 4-Dee Ring Body Belt

The "Stacked" secondary dee rings are positioned directly over the primary dee's making it easier to attach, disconnect and adjust the secondary lanyard. Constructed with a 9" high back pad, this full floating belt was designed for the user who prefers a more traditional type body belt.

**CSA APPROVED**

*Add the suffix "BR" for Brown, "BL" for Black or "BU" for Burgundy*



### C2018MC - 4-Dee Ring Body Belt

With 4 "Stacked" dee rings, this full floating belt has an 8" back support with extra padding and a Dri-lex liner. The dual tongue & buckle leather straps provide greater adjustability and comfort. It's lightweight construction and durability make this belt a popular choice. **CSA APPROVED**

**Order Body Belts By Dee-Ring Size • See Page 35**



## TYPES OF BODY BELTS

All LineStar body belts meet applicable OSHA standards, 1910.268 and 1926.959, the ASTM F887 standard plus all consensus and governing standards. Every Buckingham body belt is designed to provide the user with maximum comfort, safety and the necessary belt accessories. Body belts are designed for work positioning and not intended for fall arrest. All body belts come with pouch tabs, a tape thong, knife snap, sleeve bag ring, gut strap rings, and tool loops. Plus all neoprene impregnated waist straps have 9 holes punched in the waist strap to accommodate for adjustment of heavy clothing in the winter. LineStar body belts are tested to 350 lbs. A person who's weight and tools do not exceed 350 lbs. can work safely. There is a surcharge for persons requiring a body belt larger than size 30 or smaller than size 18. Special sized body belts



Full Float

The full float body belt allows the dee rings to shift approximately 4" and the waist strap is stationary.



Semi Float

On Semi-float body belts the dee rings are stationary and the waist strap shifts within the back pad.

### HOW TO SIZE A BODY BELT

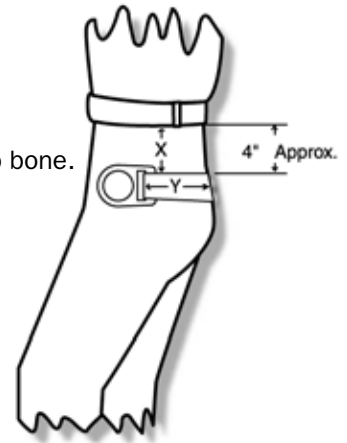
The most critical measurement of a body belt, in terms of comfort, is the dee measurement. The proper dee size is normally found by measuring from the prominent part of one hip bone around the back to the same point on the other hip bone. Add 2" (51mm) for padded belts and 4" (102mm) for lightweight dri-lex belts so that the dee ring heels are just forward of the hip bones not on them. All measuring should be done over clothing to be worn under the belt. Normal combinations of dee and belt measurements are shown on the next page.

X - Distance from waist to top of hip bone to where body belt is worn.

Y - Measurement is from front of hip bone around the back to the front of the other hip bone.

Measure - ("Y" distance) is hip to hip and add 2 inches to padded belts and 4" for lightweight dri-lex belts. This measurement is the Dee size.

Rule of Thumb - Measure from seam of pant, around buttocks to other seam and add 2 inches to padded belts and 4 inches to lightweight dri-lex belts.



The 6087 sizing belt ensures accurate dee measurement. This belt is designed to provide the user with an exact hip to hip measurement. For proper belt size add 2 inches to padded belts and 4 inches to lightweight dri-lex belts.





## TYPES OF BODY BELTS

### BODY BELT SIZING

Dee Size	Belt Strap* Min		Belt Strap Centre Hole		Belt Strap Max		No. of Tool Loops	
	In.	cm.	In.	cm.	In.	cm.		
<b>D18</b>	46	32	81	36	91	40	102	3
<b>D19</b>	48	33	84	37	94	41	104	3
<b>D20</b>	51	34	86	38	97	42	107	3
<b>D21</b>	53	36	91	40	102	44	112	4
<b>D22</b>	56	37	94	41	104	45	114	4
<b>D23</b>	58	38	97	42	107	46	117	4
<b>D24</b>	61	40	102	44	112	48	122	4
<b>D25</b>	64	41	104	45	114	49	125	4
<b>D26</b>	66	42	107	46	117	50	127	4
<b>D27</b>	69	44	112	48	122	52	132	4
<b>D28</b>	71	45	114	49	125	53	135	4
<b>D29</b>	74	46	117	50	127	54	137	4
<b>D30</b>	76	47	119	51	130	55	140	4

\*Belt Strap Is Not Waist Size.

For a left handed belt add a '0' suffix to belt size; e.g. 2000M-220

### BODY BELT INFORMATION

#### Inspect Your Body Belt Prior To Every Use For:

- cracks, nicks, distortion, or corrosion of hardware
- loose stitching, broken threads or burns
- loose or worn rivets
- loose grommets or elongated holes on waist strap
- worn material
- broken accessory snap or ring
- tool loops worn to allow tools to fall free
- pocket tabs that won't support pouches and tools

Immediately remove the belt from service if any of these conditions exist.



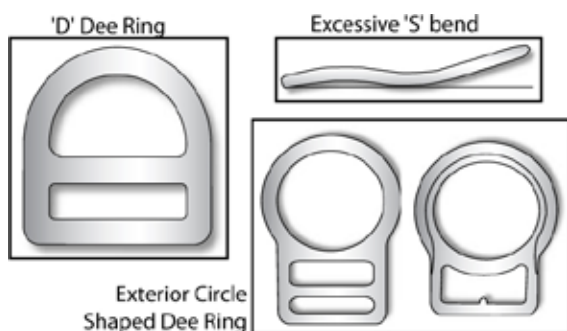
An extra hole was punched to fit a larger user.

#### Never:

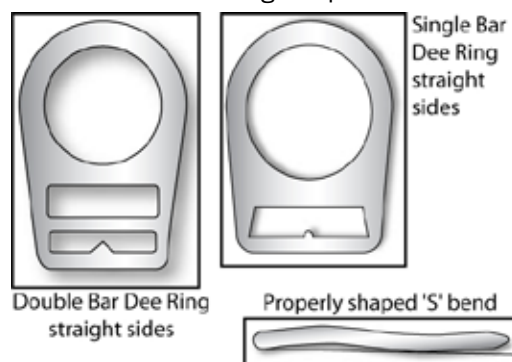
- modify or punch a hole in a support component of the body belt.
- use a body belt made of all leather.
- disconnect waist strap and rely on gut strap or suspenders (suspenders & gut straps are rated to maximum of 25 lbs.).
- use an accessory ring, snap or suspender rings for work positioning.

### LINESTAR STRONGLY RECOMMENDS THE USE OF LOCKING SNAP HOOKS!

Do Not Use Improperly Configured Dee Rings when using a positioning strap with non-locking snap hooks



Use Properly Shaped Dee Rings When Using Non-locking Snap Hooks



## BODY BELT ACCESSORIES



### 4201 - Deluxe Removable Gut Strap

An economical way of adding extra dee rings to an existing 2 dee ring body belt for the use of a secondary lanyard. Straps attach under the body belt to meet the "Man Rating" of the dee rings. An extra-wide, adjustable Velcro strap provides comfort and a tight fit. The back has a Velcro closure pocket that can hold extra padding, ice or heat pack.

Back pocket with removeable pad



### 4202 - Removable Gut Strap

Same as the 4201 but without the back pocket.



### 6263 - Man Rated Gut Strap

Add this gut strap to your existing belt for an extra 2 dee rings for use with a secondary lanyard.



### 6256 - Gut Strap

Nylon supporter with wide leather pad.



### 6257 - Gut Strap

1-3/4" leather supporter without pad. Add the suffix "BR" for Brown, "BL" for Black



### 62531 - Drilex Gut Strap

Drilex gut strap designed for comfort and functionality. Sponge lined pad relieves irritation when bending. Connection straps and snaps slide on the waist strap for aligning to suspension dee rings on a body belt. Each strap supports up to 25 lbs.

#### Gut Strap Sizing Chart

Size	Range	Typical Waist Size
Small	30" - 38"	28" - 32"
Medium	34" - 42"	32" - 36"
Large	40" - 48"	36" - 40"
X-Large	46" - 54"	40" - 44"

*Allow for wearing over heavy clothing*



### 6258 - Suspenders

Adjustable belt supporter made of 3/4" leather with moveable shoulder pads.

**6259 - Suspenders** Made of 1" Nylon

## BODY BELT POUCHES & BAGS



### 45702P1S2 - Equipment Storage Pouch

Attaches to Buckingham Deluxe Series, Glide, or Arborlite saddles, Elastic retainer prevents equipment from falling out, two attachment snaps, 9" L x 10" H x 3" W, also available one 3/4" steel dee ring.



### 4570 - Nut & Bolt Bag

A canvas nut and bolt bag made from top quality heavy cotton duck. Features a reinforced top, drain holes and attachment straps. U shaped with no bottom corners to trap small parts. Measures 10" deep x 9" wide.



### 4570B2

**Black Canvas Nut & Bolt Pouch**  
with straps & snaps, 9" x 10".  
Available with magnetic strip.



### 4570M2

**Nut & Bolt Pouch**  
with Magnetic Strip, straps & snaps. 9" wide x 10" deep.  
**4570M2-B2** black canvas.



### 45911M2

**Nut & Bolt Pouch**  
with Magnetic Strip, straps & snaps.  
Cotter key holders, 1 inside pocket,  
reinforced sides and bottom.  
8" wide x 9" deep.



### 5299-BR

**Leather Nut & Bolt Pouch**  
Strong pliable lightweight leather, ideal for maintenance and repair work. Leather straps w/grommet reinforced holes. Length-9", Width-3", Height-10".  
**5299-BL** Available in Black.



### 52993-BR

Similar to 5299, but with 3 inside pockets to store wrenches or screwdrivers. Length-9", Width-3", Height-10".

**5293-BL** Available in Black.



### 4595M2 - Nut and Bolt Bag

The best built nut and bolt bag designed for many small parts that can be easily inserted and removed. Measuring 3"W x 9"H x 9"L, it is bigger than most bags. There is a plastic liner on the bottom of the bag to help keep the bag open and makes picking up small parts easier. A 2-1/8" long magnet can be used to stow metal hardware for easy access. A 2 1/2" x 3 1/2" outside pocket can be used for storage. The extra wide gusset makes it easy to insert a gloved hand to remove parts. This bag is built BuckTough - wear points have double thick canvas.



## BODY BELT TOOL HOLSTERS



**42266S-BL**  
**Short-Back, 5 Pocket Tool**  
**Holster with Skinning Knife**  
**Pouch**



**49261**  
**4 Pocket Tool Holster**



**42266**  
**5 Pocket Tool Holster**

*The above holsters can be ordered in Brown, Black or Burgundy.  
 To order left handed tool holsters, add "LH" to end of the part number*



**4089**  
**Skinning Knife**  
**Holster**



**111HLS**  
**4 Pocket Tool Holster**



**111HLDS**  
**5 Pocket Tool Holster**

*To order left handed tool holsters, add "LH" to end of the part number.*



**2402 - Handline Carrier**  
 A nylon handline carrier with a hole to easily secure it to the body belt with a bolt or zip tie, that will straighten when approximately 14-18 lbs of pressure is applied, allowing the hand line to pull free.



**6104 - Wrench Holder**  
 A Lowell wrench holder constructed of heavy leather and a steel bracket. Secure the wrench holder to the body belt pouch tab easily and quickly with the barrel fasteners provided. (Wrench is not included).

## FALL PROTECTION

### The "SUPERSQUEEZE" Wood Pole Fall Protection System

The SuperSqueeze provides fall protection while climbing on wood poles. Both styles offer easy one-handed adjustment and can be configured for either right-handed or left-handed use. All straps & ropes have a red centre to warn the user of excessive wear. Worn or damaged components can be easily replaced in the field.



**CSQ2488R - SuperSqueeze**

With Rope Strap for Distribution poles.

**CSQ2488RT - SuperSqueeze**

With Rope Strap for Transmission poles.



**CSQ2488W2 - SuperSqueeze**

With Web Strap for Distribution poles.

**CSQ2488TW2 - SuperSqueeze**

With Web Strap for Transmission poles.



*Easy one-handed adjustments for the pole diameter as well as the users distance from the pole.*



*If the user cuts out, the straps squeeze the pole, securing the user and preventing a fall.*



**C9-7 - Buckadjuster**

The length of this 1/2" x 7' rope lanyard is easily adjustable with one hand using the attached length adjusting device. Used as a secondary strap when climbing over obstacles.

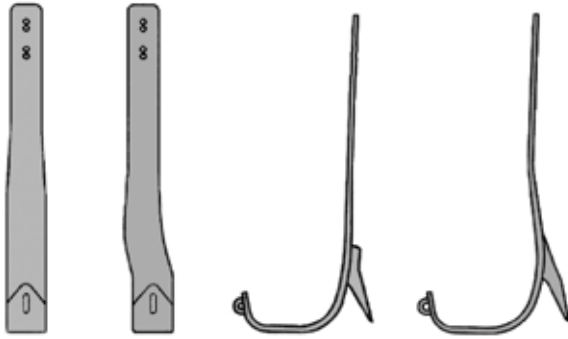
**C9-10 - Buckadjuster**

For 10' lanyard for Transmission



# TITANIUM POLE CLIMBERS

Strong as steel, but lightweight like aluminium



Straight Stirrup    Offset Stirrup    Non-Contoured Shank    Contoured Shank

## Climbers with Contoured Shanks and Screw-Type Replaceable Gaffs

Part #	Stirrup Style	Foot Straps	Leg Straps	Pads
TB92089A	Straight	21391	--	--
TB92059A	Straight	21391	2239	3122
TB94089A	Offset	21391	--	--
TB94059A	Offset	21391	2239	3122

## Climbers with Contoured Shanks and Screw-Type Replaceable CCA Gaffs

Part #	Stirrup Style	Foot Straps	Leg Straps	Pads
TB90089A	Straight	21391	--	--
TB90059A	Straight	21391	2239	3122
TB91089A	Offset	21391	--	--
TB91059A	Offset	21391	2239	3122



Screw-Type Gaff

## Climbers with Contoured Shanks and Permanent Gaffs

Part #	Stirrup Style	Foot Straps	Leg Straps	Pads
TB9646	Straight	21341	--	--
TB86469	Straight	21391	2239	3122
TB98479	Offset	21391	--	--
TB87479	Offset	21391	2239	3122

## Climbers with Contoured Shanks and Permanent CCA Gaffs

Part #	Stirrup Style	Foot Straps	Leg Straps	Pads
TB90079	Straight	21391	--	--
TB80059	Straight	21391	2239	3122
TB91079	Offset	21391	--	--
TB81059	Offset	21391	2239	3122



Shown with Foot Straps

For Twisted Shanks, add "T" to the part number  
Tree Climbers are available in most styles.

Many other options are available.

**Contact your nearest Linestar branch for more information.**

### REPLACEMENT GAFFS FOR CLIMBERS DATED DEC, 2010 AND BEFORE

Standard Gaffs **T9206A**  
CCA Gaffs **T9106A**

### REPLACEMENT GAFFS FOR CLIMBERS DATED JAN, 2011 AND AFTER

Standard Gaffs **NB9206A**  
CCA Gaffs **NB9106A**



## STEEL POLE CLIMBERS

Draw-forged from high strength steel

### Steel Climbers with Contoured Shanks and Screw-Type Replaceable Gaffs

Part #	Stirrup Style	Foot Straps	Leg Straps	Pads
SB92089A	Straight	21391	--	--
SB92059A	Straight	21391	2239	3122
SB94089A	Offset	21391	--	--
SB94059A	Offset	21391	2239	3122

### Steel Climbers with Contoured Shanks and Screw-Type Replaceable CCA Gaffs

Part #	Stirrup Style	Foot Straps	Leg Straps	Pads
SB90089A	Straight	21391	--	--
SB90059A	Straight	21391	2239	3122
SB91089A	Offset	21391	--	--
SB91059A	Offset	21391	2239	3122

### Steel Climbers with Contoured Shanks and Permanent Gaffs

Part #	Stirrup Style	Foot Straps	Leg Straps	Pads
9847	Offset	21341	--	--
87479	Offset	21391	2239	3122
98479	Offset	21391	--	--
8747	Offset	21341	2239	3122

### Steel Climbers with Contoured Shanks and Permanent CCA Gaffs

Part #	Stirrup Style	Foot Straps	Leg Straps	Pads
90079	Straight	21391	--	--
80059	Straight	21391	2239	3122
91079	Offset	21391	--	--
81059	Offset	21391	2239	3122

#### REPLACEMENT GAFFS FOR CLIMBERS DATED DEC, 2010 AND BEFORE

<b>T9206A</b>	Standard Gaffs
<b>T9106A</b>	CCA Gaffs

#### REPLACEMENT GAFFS FOR CLIMBERS DATED JAN, 2011 AND AFTER

<b>NB9206A</b>	Standard Gaffs
<b>NB9106A</b>	CCA Gaffs



Shown with Foot Straps



3122 Pad



2239 Nylon Leg Strap, 1" x 22"  
2234 Leather Leg Strap, 1" x 22"



21391 Nylon Foot Strap, 1" x 26"  
21341 Leather Foot Strap, 1" x 26"

For Twisted Shanks, add "T" to the part number. Tree Climbers are available in most styles.  
Many other options are available.

## POLE CLIMBER PADS & STRAPS



**3118 Climber Pad**

This 8" wide pad secures the climber to the leg with the use of two straps. The heavy leather and tunnel design keeps the climber shank rigid. An angled metal insert prevents the shank from shifting on the calf.



**3502**

The newly re-designed 3502 has a formed sleeve loop which prevents the climber from twisting out of the steel insert.



**3500C**

**Part # Velcro Wrap Pads**

- 3500** Standard 4" Velcro Wrap Pad
  - 3502** 3500 with Angled Metal Inserts
  - 3503** Standard 3" Velcro Wrap Pad
  - 3504** 3500 with Straight Metal Inserts
- Add "C" suffix to order with Cinch Loop



**3202C Climber Pad**

This pad incorporates the adjustability of Velcro and the increased surface area of the 3118 pad. It also comes with the cinch loop for a tight fit.



**3122**



**3124**



**3125**



**3126**



**3127**



Two Piece Foot Strap



**35032**

Part #	Climber Straps With Buckle Pads
<b>21391</b>	1" x 26" Two Piece Nylon Foot Strap
<b>21341</b>	1" x 26" Two Piece Leather Foot Strap
<b>2449</b>	1" x 24" Single Piece Nylon Leg Strap
<b>2444</b>	1" x 24" Single Piece Leather Leg Strap
<b>2649</b>	1" x 26" Single Piece Nylon Leg Strap
<b>2644</b>	1" x 26" Single Piece Leather Leg Strap

Part #	Climber Straps With Buckle Pads
<b>3122</b>	"L" Pad, 3 Loops, Shank Tunnel
<b>3124</b>	"T" Pad, Strap & Shank Tunnel
<b>3125</b>	"L" Pad, 3 Loops, Shank Tunnel
<b>3126</b>	"L" Pad, 3 Loops, Shank Tunnel, Extra Padding
<b>3127</b>	8" Wide Pad, Dual Straps, Strap/Shank Tun
<b>35032</b>	"C" Wrap Pad, Angled Steel Insert, Extra Padding
<b>35034</b>	"C" Wrap Pad, Straight Steel Insert, Extra Padding

## POLE CLIMBER ACCESSORIES



### KG-2 Gaff Sharpening Kit for Pole and Tree Climbers

Contains the following: 8" fine-tooth file, 3" honing stone, Klein gaff gauge, fully-illustrated gaff sharpener instructions, handy roll-up canvas case with tie.



### 27 Gaff Shaping Kit

Bashlin's gaff shaping kit combines all the tools you need to properly care for the gaffs on your Bashlin climbers in a compact kit. It includes a gaff gauge, 6" mill file with wooden handle, sharpening stone and instructions.



### 6025

#### Gaff Maintenance Kit

Tools and gauge for inspecting and performing pole gaff maintenance. Includes a smooth, single cut file, pole gaff gauge and finishing hone.



### CLIMBER SLEEVES

Changes the overall length of adjustable length climbers.

#### 9202 Short Sleeves

Adjusts from 14-1/4" to 17-1/4"

#### 9204 Long Sleeves

Adjusts from 19-1/4" to 21-3/4"



### KG-1 Klein Gaff Gauge for Pole and Tree Climbers

- For the purpose of checking proper width, thickness and point profile of climber gaffs.
- Serves as a guide for sharpening gaffs.
- Instructions included.



### 5 Bashlin Gaff Gauge

Bashlin's gaff gauge is used to maintain the correct shape, taper and profile of your gaffs. Instructions are included.



### 6303 - Buckingham Pole Gaff Gauge

New and improved Pole gaff gauge that can also gauge CCA Gaffs; includes instructions.



### 60094 Gaff Guards

Leather with Velcro strap fasteners.

### 6909U Gaff Guards

Plastic coated clip-on for permanent or replaceable gaffs. Fits all brands of climbers.



Pin Style

Screw Style

Part #	Replacement Gaffs
<b>9106</b>	1-11/16" CCA Pole Gaff, Pin Style
<b>9306</b>	2-1/4" Tree Gaffs, Pin Style
<b>T9106A</b>	1-11/16" 16o CCA Pole Gaffs, Screw Style, Dec 2010 & Before
<b>T9206A</b>	1-5/8" 16o Pole Gaffs, Screw Style, Dec 2010 & Before
<b>NB9206A</b>	1-11/16" 16o CCA Pole Gaffs, Screw Style, Jan 2011 & After
<b>NB9106A</b>	1-5/8" 16o Pole Gaffs, Screw Style, Jan 2011 & After



## POLE CLIMBERS



### ALUMINIUM POLE CLIMBERS

offset climbers with 1-5/8" replaceable gaffs.  
Weighs 30% less than steel climbers.

Part #	Shank Style	Foot Straps	Leg Straps	Pads
<b>BD14-1N</b>	Offset	x	--	--
<b>BD14-2N</b>	Offset	x	x	--
<b>BD14-3N</b>	Offset	x	x	# 110D
<b>BD14-4N</b>	Offset	x	x	# 130D
<b>BD14-5N</b>	Offset	x	x	# 140DS



**BD16BC**  
Twisted Shank

### STEEL POLE CLIMBERS

offset climbers with 1-5/8" replaceable,  
steel gaffs.

Part #	Shank Style	Foot Straps	Leg Straps	Pads
<b>BD16B-1N</b>	Offset	x	--	--
<b>BD16B-2N</b>	Offset	x	x	--
<b>BD16B-3N</b>	Offset	x	x	# 110D
<b>BD16B-4N</b>	Offset	x	x	# 130D
<b>BD16B-5N</b>	Offset	x	x	# 140DS
<b>BD16BC-1N</b>	Twisted	x	--	--
<b>BD16BC-2N</b>	Twisted	x	x	--
<b>BD16BC-3N</b>	Twisted	x	x	# 110D
<b>BD16BC-4N</b>	Twisted	x	x	# 130D
<b>BD16BC-5N</b>	Twisted	x	x	# 140DS

*Tree Climbers are available in most styles. Many other options are available including CCA Pole Gaffs.*



## POLE CLIMBERS

### POLE CLIMBERS WITH GAFFS – WITHOUT PADS AND STRAPS

Secure sleeve and leg iron connection. Two slotted hex-head bolts with lock washers and barrel-type nuts join the steel sleeve and leg iron together. Steel split ring secures ankle strap in place and allows for quick replacement. 4-7/16" (113 mm) wide stirrup provides greater foot support. Adjustable climber length – steel sleeve moves in 1/4" (6 mm) increments for the most comfortable fit. Contoured leg irons help position gaffs securely and comfortably. Replaceable gaff firmly attaches to the leg iron with a center pin and two TORX® screws. To determine size needed, measure from instep to 1" (25 mm) below knee.

Sold in pairs only.



Part #	Adjustment Length	Gaff Size	Weight
<b>1907AR</b>	15" - 19"	2-3/4"	4.85 lbs.
<b>1907ARL</b>	17" - 21"	2-3/4"	4.95 lbs.
<b>1972AR</b>	15" - 19"	1-1/2"	4.50 lbs.
<b>1972ARL</b>	17" - 21"	1-1/2"	4.85 lbs.
<b>1986AR</b>	15" - 19"	1-9/16"	4.50 lbs.

### POLE CLIMBERS WITH GAFFS – COMPLETE SET

8" x 8" (203 x 203 mm) cushioned, high-grade leather climber pads for maximum comfort. Neoprene-impregnated nylon climber straps for long-lasting life. Secure sleeve and leg iron connection. Two slotted hex-head bolts with lock washers and barrel-type nuts join the steel sleeve and leg iron together. Steel split ring secures ankle strap in place and allows for quick replacement. 4-7/16" (113 mm) wide stirrup provides greater foot support. Adjustable climber length – steel sleeve moves in 1/4" (6 mm) increments for the most comfortable fit. Contoured leg irons help position gaffs securely and comfortably. Replaceable gaff firmly attaches to the leg iron with a center pin and two TORX® screws.

To determine size needed, measure from instep to 1" (25 mm) below knee. Sold in pairs only.



Part #	Adjustment Length	Gaff Size	Weight
<b>CN1907AR</b>	15" - 19"	2-3/4"	6.20 lbs.
<b>CN1907ARL</b>	17" - 21"	2-3/4"	6.75 lbs.
<b>CN1972AR</b>	15" - 19"	1-1/2"	6 lbs.
<b>CN1972ARL</b>	17" - 21"	1-1/2"	6.25 lbs.
<b>CN1986AR</b>	15" - 19"	1-9/16"	6.20 lbs.
<b>CN1986ARL</b>	17" - 21"	1-9/16"	6.35 lbs.

Tree Climbers are available in most styles. Many other options are available including CCA Pole Gaffs.

## POLE CLIMBER ACCESSORIES



### 145 SERIES PADS

Big on comfort and climber control. This field proven, double strap design results in an extremely comfortable pad with tremendous climber support.



Part #	Climber Pads
<b>130D</b>	"L" Pad with Loops
<b>140D</b>	"Wing" Pad with Shank Tunnel
<b>150T</b>	"T" Pad with Loops

Add "S" suffix to the above for padding

Part #	Climber Pads
<b>145AC</b>	For BD12 - BD16 Climbers
<b>145BC</b>	For BD14 Climbers



Single Piece Leg Strap



Two Piece Foot Strap



105BC



105A

Part #	Climber Straps With Buckle Pads
<b>85N</b>	1" x 24" Single Piece Nylon Leg Strap
<b>86N</b>	1" x 28" Single Piece Nylon Leg Strap
<b>87N</b>	1" x 28" 2 Piece Nylon Foot Strap (Unassembled)
<b>89N</b>	1" x 28" 2 Piece Nylon Foot Strap (Assembled)

Part #	Curved Pads With Steel Inserts
<b>105A</b>	Straight for BD12 & BD16 Styles
<b>105AC</b>	Angled for BD12 & BD16 Styles
<b>105B</b>	Straight for BD14 Styles
<b>105BC</b>	Angled for BD14 Styles



Part #	Replacement Gaffs
<b>14</b>	Standard 1-5/8" Gaffs
<b>14P</b>	Polished 1-5/8" Gaffs
<b>14T</b>	2-1/2" Tree Gaffs



#	GAFF GUARD
<b>2</b>	Leather with Velcro strap



Part #	Snap-On Gaff Guard
<b>1972G</b>	



## WORK GLOVES

Made of the finest quality materials, these gloves provide excellent comfort, dexterity and wear.



### 365DLX2 - DELUXE LINEMAN'S GLOVES

Deluxe lineman glove, 2" safety cuff, Sizes: S - XL



### 365DLX6 - DELUXE LINEMAN'S GLOVES

Deluxe lineman glove, 6" gauntlet, Sizes: S - XL



### 73373 - THERMO MAXX-GRIP BULK GLOVES

Available in Black



### 361DLXFTL - DELUXE LINEMAN 1 FINGER WINTER MITT

Reflective One Finger Winter Lineman Mitt | Wool Lined 1 Finger Glove



### 365DLXFTL - DELUXE LINEMAN THINSULATE LINED WINTER GLOVES

Deluxe lineman glove, 6" gauntlet, hand is fully C100 Thinsulate® lined Sizes: M - XL



### 365DLX2TL - DELUXE LINEMAN THINSULATE LINED WINTER GLOVE

2" safety cuff, hand is fully C100 Thinsulate® lined



### 11-3460-60 - WATERPROOF WINTER GAUNTLET XT GLOVES

A Velcro closure binds around the wrist, in addition to a drawstring cord at the cuff, which locks out SNOW and ICE. This glove is 100% Waterproof and Windproof, designed for working in cold, wet winter conditions.



### 40080 - KLEIN LINEMAN GLOVES

4" leather and Neoprene cuffs with side vents. Soft grain leather construction with reinforced leather palm and finger patches. Double-row padded knuckles for durability. Black spandex back with Klein Lineman logo patch.

## WORK GLOVES

Made of the finest quality materials, these gloves provide excellent comfort, dexterity and wear.



### 40067 KLEIN JOURNEYMAN K4 LEATHER WORK GLOVES

Genuine Goatskin professional-grade leather offers comfort and protection. Two-way form-fitting spandex top increases ventilation, comfort and fit. Molded Thermal Plastic Rubber (TPR) ribs offer flexible protection for back of hand and fingers. Lightly padded palm for increased grip and comfort.



### S13FGFNT EXTREME CUT RESISTANT GLOVES

SuperiorTouch® 13-gauge composite knit provides extreme cut-resistance with an ASTM cut rating of 4. Gloves are knit with a composite blend of silica-infused fiber, strengthened and supported by nylon and Dyneema®. Palms feature a puncture-resistant nitrile coating that's foamed to greatly enhance grip when handling oily, smooth, sharp-edged materials like glass and metal. Palms provide ASTM level-2 puncture resistance. Ergonomically shaped seamless knit shell provides all-day comfort.



### 11-3280-60 FR LEATHER UTILITY LINED WITH KEVLAR®

- Meets NFPA 70e – 2012 Standard
- ARC-RATED 27.7 cal/cm<sup>2</sup>
- Hazard Risk Category (HRC) 3
- Cut-Resistant Rating Level 2 on ANSI/ISEA 105-2005 Standard
- 5X More Cut-Resistant than Unlined Leather
- 4" Safety Cuff for Wrist Protection
- Durable High Quality 0.9mm Goatskin Leather
- Ergonomic, 3-D Performance Glove Pattern Form-Fits Perfectly to Hand
- Extra Wide Pattern Reduces Hand Fatigue and Increases Comfort



### 08-8080-80 MWG – CUT-RESISTANT

- All Black Stealth Coloring
- Entirely Lined with Cut-Resistant DuPont™ Kevlar® Fiber
- Palm Exceeds a Cut Performance Level 3 Rating According to ANSI/ISEA 105-2005 Standard
- Palm Features Heavy Duty Non-Slip Reinforcement
- Double Knuckle Protection of Top of Hand
- Machine Washable/Air Dry



### 12-3290-60 FR WATERPROOF ULTIMATE LINED WITH KEVLAR®

- Meets NFPA 70e – 2012 Standard
- Flame Resistant - Exceeds ASTM D6413 and F2302
- ARC-RATED 55 Cal/cm<sup>2</sup> (HRC 4)
- Cut-Resistant Level 2 on ANSI/ISEA 105-2005 Standard
- Almost 5X More Cut-Resistant than Unlined Leather
- Insulation composed of FR NOMEX® for Added Warmth
- 100% Waterproof featuring FR Porelle Membrane
- FR Cowhide Outer Shell
- Ergonomic 3D Pattern Form-Fits to Hand
- Cut Resistant Liner Made of Kevlar® Fiber Increases Durability
- Kevlar® is a registered trademark of DuPont™ and/or its affiliates.

## WORK GLOVES

Made of the finest quality materials, these gloves provide excellent comfort, dexterity and wear.



### 11-3285-60 FR WATERPROOF ULTIMATE LINED WITH KEVLAR®

- Meets NFPA 70e – 2012 Standard
- Flame Resistant - Exceeds ASTM F2302 & D6413 Standard
- ARC-RATED 50 cal/cm<sup>2</sup> (HRC 4)
- Cut-Resistant Level 2 on ANSI/ISEA 105-2005 Standard
- 5X More Cut-Resistant than Unlined Leather
- 100% Waterproof & Windproof
- 4" Safety Cuff for Wrist Protection
- Keeps Hands Warm, Dry & Protected
- Form-Fit to Hand for Superior Dexterity & Safety
- Kevlar® is a Registered Trademark of DuPont™ and/or its affiliates.

## ARC/FR TRAFFIC SAFETY CLOTHING



### HO-015 ARC/FR HI-VIS | ARC/FR WORK SHIRT

- INDURA® UltraSoft® - Twill Weave
- 88% Cotton / 12% High Tenacity Yarn
- 7oz weight
- Flame resistant
- International blaze orange colour
- Long sleeve
- Western style fit
- Button front closure
- 2 breast pockets, left side with pencil slot
- Laydown collar
- 2" wide yellow 3M™ Scotchlite™ reflective tape heat sealed to the shirt in positions as follows:
  - 2 vertical stripes on front
  - X pattern on back
  - 2" silver bands encircling arms

### MEN'S ARC/FR WORK SHIRT MEASUREMENTS\*

	S	M	L	XL	2XL	3XL
<b>Shirt Width</b>	20.5"	22.5"	24.5"	26.5"	28.5"	30.5"
<b>Shirt Length</b>	31"	31.5"	32"	32.5"	33"	33.5"

\*To determine what size will fit you best, compare a same style garment that you already own that fits you well, to this chart. Choose your existing garment and lay it flat on the ground. Measure the width from side seam to side seam across the chest to determine the width then compare it and any other measurements you choose to this chart.





## ARC/FR TRAFFIC SAFETY CLOTHING

### HO-006 ARC/FR HI-VIS | ARC/FR LONG SLEEVE T-SHIRT

- INDURA® UltraSoft®
- 88% Cotton / 12% High Tenacity Yarn
- 6.25oz weight
- International blaze orange colour
- Generous cut
- 2" wide yellow 3M™ Scotchlite™ reflective tape heat sealed to the shirt in positions as follows:
  - 2 vertical stripes on front
  - X pattern on back
  - 72 cm2 silver tape on side of biceps
- Compacted Interlock
- Flame resistant
- Long sleeve - knitted cuff
- Rib knit collar



### MEN'S ARC/FR LONG SLEEVE T-SHIRT MEASUREMENTS\*

	S	M	L	XL	2XL	3XL
<b>Shirt Width</b>	19"	21"	23"	25"	27"	29"
<b>Shirt Length</b>	28.5"	29.5"	30.5"	31.5"	32.5"	33.5"

\*To determine what size will fit you best, compare a same style garment that you already own that fits you well, to this chart. Choose your existing garment and lay it flat on the ground. Measure the width from side seam to side seam across the chest to determine the width then compare it and any other measurements you choose to this chart.



### HO-140 ARC/FR HI-VIS | ARC/FR BIB OVERALL

- INDURA® UltraSoft® - Twill Weave
- 88% Cotton / 12 % High Tenacity Yarn
- 9oz weight
- International blaze orange colour
- 2 breast pockets, left side with pencil slot
- 1 tool pocket on leg
- 2 side pockets with slip-through to underclothing
- 2 large back pockets
- 2" wide adjustable elastic shoulder straps
- 2 - way brass zipper front closure
- 2" wide yellow 3M™ Scotchlite™ reflective tape stitched to overall in positions as follows:
  - 2 vertical stripes on front
  - X pattern on back
  - 2" silver bands encircling each leg below the knee
- Flame resistant
- Bib style
- 12" Legs Zippers

**Winter Lined Bib Overalls available Part # HO-340**

### MEN'S ARC/FR BIB OVERALL MEASUREMENTS\*

	S	M	L	XL	2XL	3XL
<b>Overall Width</b>	21"	23"	25"	27"	29"	31"
<b>Waist Width</b>	21"	23"	25"	27"	29"	31"

\*To determine what size will fit you best, compare a same style garment that you already own that fits you well, to this chart. Choose your existing garment and lay it flat on the ground. Measure the width from side seam to side seam across the chest to determine the width then compare it and any other measurements you choose to this chart.

# ARC/FR TRAFFIC SAFETY CLOTHING

## HO-325 ARC/FR HI-VIS | ARC/FR BOMBER JACKET

- INDURA® UltraSoft® - Duck Weave
- 88% Cotton / 12% High Tenacity Yarn
- 12oz weight
- International blaze orange colour
- Zepel treated for stain and water resistance
- Jean jacket styling
- 2 front lower pockets, 1 slash and 1 top entry with flap and snap closure, 4 pockets in all
- Mandarin collar with 5 snaps for optional hard hat sized hood
- 1.5" reinforced bands on front plackets and on bottom hem
- Accepts optional #HO-330 hard hat sized hood
- 2" wide yellow 3M™ Scotchlite™ reflective tape stitched to jacket in positions as follows:
  - 2 vertical stripes on front
  - X pattern on back
  - 2" silver bands encircling biceps
- Flame resistant
- Zipper front closure



Winter Lined Jackets available Part # HO-350-M

### MEN'S ARC/FR BOMBER JACKET MEASUREMENTS\*

	S	M	L	XL	2XL	3XL
<b>Jacket Width</b>	23.5"	24.5"	25.75"	27"	28.25"	29.5"
<b>Under Arm Length</b>	19"	19"	19.5"	20"	20"	20.5"
<b>Jacket Length</b>	25.75"	26"	26.25"	26.5"	26.75"	27"

\*To determine what size will fit you best, compare a same style garment that you already own that fits you well, to this chart. Choose your existing garment and lay it flat on the ground. Measure the width from side seam to side seam across the chest to determine the width then compare it and any other measurements you choose to this chart.

## ARC RESISTANT FR RAIN GEAR

### FLEX ARC ATTACHED HOOD JACKET

- Polyurethane / FR Treated Cotton
- Zipper front
- Storm flap with snap front
- Vented Nomex® mesh back with "D" ring access
- Tuck-away hood with drawstring closure
- Patch pockets (2) with Velcro closure
- Inside left breast cell phone pocket
- Reflective film (2" silver) across vent, down storm flap, around sweep, upper arms, and around wrist
- Take-up tabs with Velcro on wrists
- Compliant with Class 3 high visibility back ground & retroreflective material standards as listed in ANSI 107-2004



**British Columbia:**

**Alberta:**

**Saskatchewan/Manitoba:**

phone: 604-594-2701 • fax: 604-594-2751

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phone: 204-783-9771 • fax: 204-783-8951

**100%  
CANADIAN  
OWNED**



## ARC RESISTANT FR RAIN GEAR



### FLEX ARC BIB TROUSERS

- Polyurethane / FR Treated Cotton
- Elastic suspenders 36" long and 1 ¼" wide.
- Non-conductive snap closures that fastens suspenders onto garment
- Take up tabs
- Reflective film 1 ½" Silver, 1 strip 2" from hem, and 1 strip 14" from hem
- Compliant with Class E high visibility background & retroreflective material standards as listed in ANSI 107-2004



48" Coat

### SERIES 1000 ARCLITE SUITS

These suits are made of the same material and offer the same protection as the 1500 series but without the Hi-Visibilty rating.

- Made of 8 oz/yd<sup>2</sup> Nomex® E89/Synthetic Leather PU/PVC
- Electric Arc Rated per ASTM F1891 & NFPA 70E
- Available in Yellow or International Orange

#### Part # Series 1500 Hi-Vis ArcLite Suits

<b>1103J</b>	Waist Length Jacket
<b>1101T</b>	Bib Trousers
<b>1101P</b>	Elastic Waist Pants
<b>1103C</b>	48" Length Coat

All jackets and coats have a 3 piece hood-in-collar, two pockets with Velcro® closure, non-conductive zipper with dual flies & snaps, Nomex® ventilation system, fall protection access, Velcro® tab type wrist adjusters and 3M 2" reflective trim around chest, over the shoulders, around the biceps and around the hood.

Bib trousers have a quick release suspender system, fly front with snap, Velcro tab type cuff adjusters and 3m 2" refelctive trim around the calves and knees.

Pants come with an elastic waist, fly front with snap, Velcro tab type cuff adjusters and 3M 2" reflective trim around the calves and knees.



# ARC RESISTANT FR RAIN GEAR

## SERIES 1500 HI-VIS ARCLITE SUITS

This is the most popular foul weather product designed specifically for utility workers who may be exposed to electric arcs. Arc & flame resistant, these suits do not melt, drip, ignite or break open. These suits are waterproof, lightweight and flexible.

- Made of 8 oz/yd2 Nomex® E89/Synthetic Leather PU/PVC
- Electric Arc Rated per ASTM F1891 & NFPA 70E
- High Visibility Rated per ANSI 107
- Available in Fluorescent Lime Yellow or Fluorescent Orange



Fluorescent Lime Yellow

### Part # Series 1500 Hi-Vis ArcLite Suits

- 1503J** Waist Length Jacket
- 1501T** Bib Trousers
- 1501P** Elastic Waist Pants
- 1503C** 48" Length Coat

## SERIES 4500 HI-VIS SENTINEL SUITS

Along with arc & flame resistance, the Sentinel suits offer flash fire & chemical splash resistance. Made of a slightly heavier material than the ArcLite suits, they are still soft & flexible and waterproof.

- Made of 10 oz/yd2 100% Cotton Knit/Polyurethane
- Electric Arc Rated per ASTM F1891 & NFPA 70E
- High Visibility Rated per ANSI 107
- Available in Fluorescent Lime Yellow or Fluorescent Orange
- Flash Fire Rated per ASTM F1930
- Chemical Penetration Rated per ASTM F903



Fluorescent Orange

### Part # Series 4500 Sentinel Suits

- 4503J** Waist Length Jacket
- 4501T** Bib Trousers
- 4501P** Elastic Waist Pants

#### ARC JACKET & COAT SIZING MATRIX

	Small	Med	Large	X-Large	2XL	3XL
Sleeve Length	34"	34-1/2"	35"	36"	36"	37"
Body Length	30"	30"	30"	30"	31"	31"
Chest Size	36" - 38"	40" - 42"	44" - 46"	48" - 50"	52" - 54"	56" - 58"

*Add 2" for Long Sizes. Add 4" for Tall Sizes.*

#### ARC BIB TROUSERS & PANTS SIZING MATRIX

	Small	Med	Large	X-Large	2XL	3XL
Waist Size	32" - 34"	36" - 38"	40" - 42"	44" - 46"	48" - 50"	52" - 54"

*Standard Inseam is 30". Add 2" for Long Sizes. Add 4" for Tall Sizes.*



**British Columbia:** phone: 604-594-2701 • fax: 604-594-2751  
**Alberta:** phone: 403-243-1900 • fax: 403-243-2063  
**Saskatchewan/Manitoba:** phone: 204-783-9771 • fax: 204-783-8951



## RUBBER INSULATING GLOVES



### LOW VOLTAGE RUBBER GLOVES

Class 0 and 00 gloves are available in 11" and 14" lengths and in full and half sizes 8 through 12. Extremely flexible, these gloves provide the dexterity needed when working with small parts. Meets ASTM D120 standards.

Part #	Class	Length	Color	Maximum Use Voltage
<b>E0011R</b>	00	11"	Red	500 VAC
<b>E011Y</b>	0	11"	Yellow	1,000 VAC
<b>E014Y</b>	0	14"	Yellow	1,000 VAC

Class 0 gloves are also available in Red, Black, or 2-Color.

Class 00 gloves are also available in Blue, or 2-Color Type II Rubber



**Straight Cuff**



**Bell Cuff**



**Contour Cuff**



**Mitten**

### HIGH VOLTAGE RUBBER GLOVES

Class 1 through 4 gloves are available in 14", 16" and 18" lengths. The Bell Cuff allows for heavier winter clothes and greater air flow in warmer weather. The Contour Cuff is angled to prevent bunching or binding at the elbow when the arm is bent. All meet ASTM D120.

Class	Length	Cuff Size	Color	Max Use Voltage
<b>1</b>	14", 16" or 18"	BC, CC	B, YB or RB	7,500 VAC
<b>2</b>	14", 16" or 18"	BC, CC	B, YB or RB	17,000 VAC
<b>3</b>	14", 16" or 18"	BC, CC	B, YB or RB	26,500 VAC
<b>4</b>	14", 16" or 18"	BC, CC	B, YB or RB	36,000 VAC

To Order: Start with an "E" prefix then Class, Length, Cuff Style, Color and Hand Size. Example: A Pair of Class 2, 16", Bell Cuff, Yellow & Black Gloves, Would Be Part # E216BCYB

COLOR: "B"=Black, "YB"=Yellow Inside/Black Outside, "RB"=Red Inside/Black Outside  
 CUFF STYLE: Straight Cuff is Standard. "BC"=Bell Cuff, "CC"=Contour Cuff 18" Only  
 SIZING: Straight, Bell & Contour Full & Half Sizes 8 - 12. Class 3 & 4 Full & Half 9 - 12.  
 1 FINGER MITTENS: Use "EM" Prefix. Full Sizes Only 9 - 11.

## GLOVE ACCESSORIES

### THE POWER GRIPZ - Ultimate Rubber Glove Protection

**Linemen know.** Ultimately, keeping the power on is all in their hands. But ordinary gloves just weren't designed for the real-world, in-the-air work they do every day. Ordinary leather protector gloves get slick from wear and the oily residues on line apparatus; maddeningly slippery in foul weather. Linemen need and deserve a better grip on the tools, small parts and apparatus they use, to work more efficiently, keep drop zones safer and get the job done, no matter what conditions the linemen face.

The only gloves designed by linemen, for linemen. The only gloves tested and proven to be superior for grip, arc protection, heat penetration and all-weather dexterity. The Power Gripz have been endorsed by Hugh Hoagland, founder and senior consultant to ArcWear.

- **The highest leather protector glove ATPV rating in the industry: 40cal/CM2.**
- **Blocks fully 94% of heat penetration in EBT testing.**
- **Meets and/or exceeds all ASTM F-696 Standards for leather protector glove design.**
- **Proprietary grip pads (patent pending) provide unparalleled grip without compromising hand dexterity, and safety in all weather conditions.**

Proprietary Scientifically Blended Silicone ribbed fingertip grip pads provide unmatched tactile control of small parts.

Patent pending grip material extends across palms for secure grip on tool handles and gear.

Kevlar stitching with flame retardant quality on all seams for extreme durability, maximum strength and thread count.

Reverse rolled cowhide cuff improves safety in an arc fault situation

Specialized cowhide provides arc and heat protection plus superior abrasion resistance while providing all day comfort and dexterity.

100% compliant, meets & exceeds all ASTM F-696 leather protector glove standards.

Velcro adjustment strap provides easy on and off.



Non-conducting ring replaces clumsy buckle adjustment while limiting arc flash burns from metal buckles.

**Designed by Linemen.  
Proven by Science.**

**It's time to change  
your gloves, FOREVER.**



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**Saskatchewan/Manitoba:**

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**100%  
CANADIAN  
OWNED**





## GLOVE ACCESSORIES



**6CH5S**

### LEATHER PROTECTORS FOR RUBBER GLOVES

Leather protectors provide mechanical protection against cuts, snags or any damage that may compromise the insulating integrity of the rubber gloves.

Part #	Description	Material
<b>6CH5S</b>	Low-Voltage Protector	Goatskin
<b>ILPG-5S-3</b>	Class 2 Protector	Cowhide
<b>ILPG-5S-5</b>	Class 3 Protector	Cowhide



**ILPG-5S**

Add "1F" suffix for 1-Finger Mitten Protectors

Add "BC" suffix for Bell Cuff Protectors

Many other styles and materials are available.

Maintain a distance of 1" between the cuff of the protector and the cuff of the rubber glove for every 10,000 volts rating. Examples: For a 14" class 2 rubber glove, order a 12" protector; for a 18" class 4 rubber glove, order a 14" protector.

### G-99 GLOVE INFLATOR

Portable and easy to use, this unit allows for field inspection of rubber gloves.



### G-100 GLOVE INFLATOR

Same as the G99 but with an adapter for low voltage gloves.



### CSD

Cotton Glove Liners

### S13FRT

Flame Resistant Rhovyl Anti-Static String-Knit Gloves



### 10-4 GLOVE POWDER

Case of 12, 6 oz. Bottles



### 455400 - STRAIGHT SIDE GLOVE BAG

Heavy duty canvas. Nickel plated steel snap fasteners. Double stitch rolled edges. Grommet hole. Back snap for hanging. Straight sided. For 14" gloves.

### 455300 - STRAIGHT SIDE GLOVE BAG

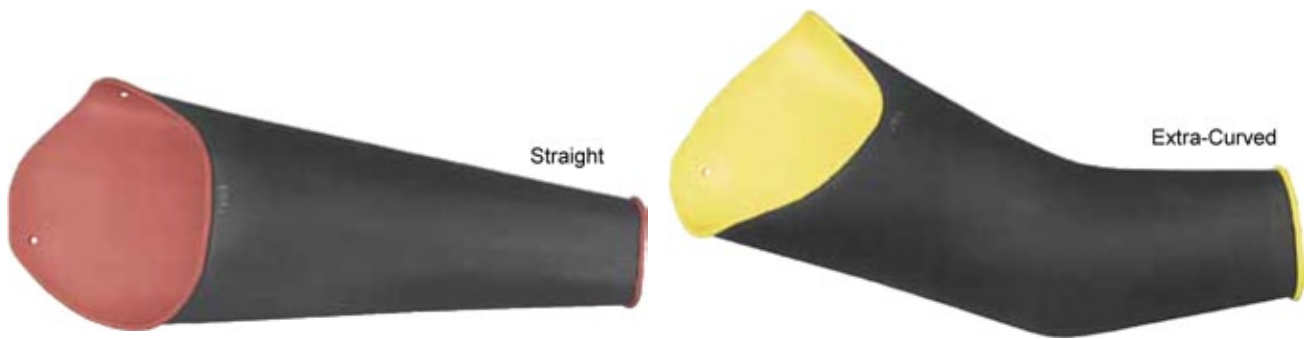
For 12" gloves.

### 455401 - STRAIGHT SIDE GLOVE BAG

For 18" gloves.



## RUBBER INSULATING SLEEVES



### DIPPED RUBBER SLEEVES

Dipped sleeves are manufactured in the same way as rubber insulating gloves. Porcelain forms are dipped into liquefied rubber, dried, trimmed, marked and cured. These are the most comfortable and flexible sleeves available. Meets ASTM D1051.

Class	Size	Color	Max Use Voltage
0	R, L or X	YLW	1,000 VAC
1	R, L or X	B, Y, Y/B or R/B	7,500 VAC
2	R, L or XL	B, Y, Y/B or R/B	17,000 VAC
3	R, L or X	B, Y, Y/B or R/B	26,500 VAC
4	R, L or X	B, Y, Y/B or R/B	36,000 VAC

Colors: B=Black; Y=Yellow; Y/B=Yellow/Black; R/B=Red/Black  
Add "ST" suffix for Straight Cuff or "EC" suffix for Extra-Curved

**To Order: Start with a "D" prefix, then Class, Size, and Color.**

Example: A Pair of Class 3, Large, Red & Black Sleeves, Would Be Part # D3LRB

## RUBBER SLEEVES ACCESSORIES



**H-1 Sleeve Harness**



**B2 Sleeve Buttons**

2-Piece Screw Type, Set of 4t



**S-1 Sleeve Straps**



**4585 - Sleeve Roll-up**

A nylon reinforced vinyl sleeve roll-up with hook and loop button fastening. Sized to hold X-long sleeves flat without folding. Dee ring to hang up. Measures 32 1/2" x 21".



**5231 - Sleeve Bag**

A 30" long sleeve bag that can fit up to 29" sleeves. Features an added glove bag pocket and a hook and loop hanger inside the bag to keep sleeves from falling to the bottom. Also features a liner/glove dust pouch. Measures 30"L x 3"W.



**528 - Sleeve Bag**

A sleeve bag that is made of heavy duty canvas. Holds 29" sleeves. Tapered to support sleeves when hung on belt. Quick releases snap on back and a snap closure top.



## RUBBER INSULATING BLANKETS

Rubber blankets come in a variety of classes, styles and sizes. Made of either Type I natural rubber or Type II synthetic rubber, these blankets can be used anywhere that standard cover-up devices cannot. All blankets meet current ASTM D1048 specifications



### Solid Style Blankets

Part #	Class	Size	Color	Type	Max Use Voltage
<b>12</b>	2	22" x 22"	Black	I	17,000 VAC
<b>13</b>	2	22" x 22"	Orange	II	17,000 VAC
<b>400E</b>	2	27" x 36"	Black	I	17,000 VAC
<b>300E</b>	2	36" x 36"	Black	I	17,000 VAC
<b>901E</b>	4	36" x 36"	Black	II	36,000 VAC
<b>900E</b>	4	36" x 36"	Orange	II	36,000 VAC



### Slotted Style Blankets

Part #	Class	Size	Color	Type	Max Use Voltage
<b>14</b>	2	22" x 22"	Black	I	17,000 VAC
<b>1100</b>	2	22" x 36"	Black	I	17,000 VAC
<b>15</b>	4	22" x 22"	Orange	II	36,000 VAC
<b>15-1</b>	4	22" x 22"	Black	II	36,000 VAC
<b>1300</b>	4	36" x 36"	Orange	II	36,000 VAC
<b>1301</b>	4	36" x 36"	Black	II	36,000 VAC



"Zip" Style Shown

### Low Voltage Blankets

Part #	Class	Size	Color	Type	Max Use Voltage
<b>1212YLV</b>	0	12" x 12"	Zip	II	1,000 VAC
<b>1212YLVNV</b>	0	12" x 12"	Plain	II	1,000 VAC
<b>1818YLV</b>	0	18" x 18"	Zip	II	1,000 VAC
<b>1818YLVNV</b>	0	18" x 18"	Plain	II	1,000 VAC
<b>1836YLV</b>	0	18" x 36"	Zip	II	1,000 VAC
<b>1836YLVNV</b>	0	18" x 36"	Plain	II	1,000 VAC
<b>3636YLV</b>	0	36" x 36"	Zip	II	1,000 VAC
<b>3636YLVNV</b>	0	36" x 36"	Plain	II	1,000 VAC



# RUBBER BLANKET ACCESSORIES



**TY-14**  
14" Blanket Strap

**TY-30**  
30" Blanket Strap



**20** Wooden Blanket Clamp



**HS21** Nylon Blanket Clamp with shotgun rings



**21** Nylon Blanket Clamp



**MB-6**  
Magnetic Blanket Button



## KLONDIKE CLAMP

The Klondike Clamp tool series quickly and safely secures blankets in position on poles without damaging the blankets. The Klondike Clamp tool series eliminates the need for tie wrap, bungee cords, Velcro®, tape or any other means that are both time consuming to install and potentially damaging to the blanket.

The Klondike Clamp tool series can also be used in a myriad of pad mount equipment situations where it is difficult to secure the blanket by conventional means.



**C4032999**  
Blanket Canister With Handle  
10" x 37" holds 6 each 36" blankets



**C4032998**  
Blanket Canister No handle  
7" x 37" holds 4 each 36" blankets

	USCP-001	USCP-002
<b>POLE RANGE</b>	6" - 11" dia.	11" - 20" dia.
<b>LENGTH</b>	16"	23"
<b>WEIGHT</b>	8 oz	19 oz

Molded from a tough weather resistant polymer and assembled completely with stainless steel hardware the Klondike Clamp tool series will provide a lineman with many years of maintenance free usage.



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## INSULATING LINE HOSE & COVERS

The self-locking lip prevents the line hose from coming off the conductor after the installation is complete yet is easy for a lineman to assemble and take apart. Made of Type II synthetic rubber, this line hose stays flexible even in cold weather and is not damaged by ozone or ultraviolet rays. Meets ASTM D1050.



Connector End Line Hose

Part #	Class	Size	Style	Max Use Voltage
<b>OR125-6</b>	2	1.25" x 6'	Straight	17,000 VAC
<b>OR125-6C</b>	2	1.25" x 6'	Connector	17,000 VAC
<b>OR150-6</b>	3	1.5" x 6'	Straight	26,500 VAC
<b>OR150-6C</b>	3	1.5" x 6'	Connector	26,500 VAC



Straight Line Hose

Part #	Class	Size	Style	Max Use Voltage
<b>OR125-45</b>	2	1.25" x 4.5'	Straight	17,000 VAC
<b>OR125-45C</b>	2	1.25" x 4.5'	Connector	17,000 VAC
<b>OR150-45</b>	3	1.5" x 4.5'	Straight	26,500 VAC
<b>OR150-45C</b>	3	1.5" x 4.5'	Connector	26,500 VAC



### Class 4 Extended Lip Line Hose

Part #	Class	Size	Style	Max Use Voltage
<b>SU150-45</b>	4	1.5" x 4.5'	Straight	36,000 VAC
<b>SU150-45C</b>	4	1.5" x 4.5'	Connector	36,000 VAC
<b>SU150-6</b>	4	1.5" x 6'	Straight	36,000 VAC
<b>SU150-6C</b>	4	1.5" x 6'	Connector	36,000 VAC



#### 45150

Line Hose Bag 8" x 48"

#### 45151

Line Hose Bag 8" x 60"



### Insulator Hoods

Part #	Class	Line Hose Size	Insulator Class
<b>SU150-45</b>	2	1"	55-1/2/3
<b>SU150-45C</b>	2	1"	55-4
<b>SU150-6</b>	3	1.25", 1.5"	55-5



### Cutout Covers

Part #	Class	Overall Dimensions
<b>CC24</b>	2	24" x 15" x 3.5"
<b>CC30</b>	4	30" x 20" x 7"



## COVER-UP EQUIPMENT

### 25 kV Conductor and Insulator Covers

25 kV insulator covers are 21" long and 8-1/2" wide. Available with or without Grip-All adapter.



C406-0009



C406-0181GA



C406-0164



Part #	Description
<b>C406-0181</b>	Conductor Cover with 4' Epoxiglas Handle
<b>P406-0184</b>	Conductor Cover without Handle or Adapter
<b>C406-0181GA</b>	Conductor Cover with Grip-All Adapter
<b>C406-0182</b>	Insulator Cover 6" Tall with Grip-All Adapter
<b>P406-0185</b>	Insulator Cover 6" Tall without Grip-All Adapter
<b>C406-0182L</b>	Insulator Cover 9" Tall with Grip-All Adapter
<b>P406-0186</b>	Insulator Cover 9" Tall without Grip-All Adapter
<b>C406-0009</b>	Cutout Cover
<b>C406-0164</b>	Deadend Cover

### 36.6 kV Conductor and Insulator Covers



36.6 kV insulator covers fit 6-1/2" to 9" diameter pin or post insulators and come with Grip-All adapters.

These 36.6 kV conductor covers are 5' in length and include the Grip-All adapter. Indented ribs along the cover's top edge provide an air gap between the conductor and the cover.



C406-0537

Part #	Description
<b>C406-0514GA</b>	Conductor Cover with Grip-All Adapter
<b>C406-0557</b>	Insulator Cover 12" Tall with Grip-All Adapter
<b>C406-0557L</b>	Insulator Cover 16.5" Tall with Grip-All Adapter
<b>C406-0537</b>	Deadend Cover with Grip-All Ad

To meet the Class 4 rating, the deadend cover must be used in conjunction with a rubber insulating blanket covering the coupler to the line cover. Failure to use a blanket to cover the coupler may result in electrical shock, severe injury or death by electrocution.





## COVER-UP EQUIPMENT

### 36.6 kV & 46 kV Conductor Covers

Spiral conductor covers are 7" in diameter and 53" in length and are available with a Grip-All adapter, or a 4 foot or 6 foot Epoxiglas handle. 15/36.6 kV covers are formed to fit over most 15 kV insulators. Double crossarm units will fit over two 15 kV pin-type insulators. All styles are interlocking.



### M4933 36.6 kV Crossarm Cover

This cover helps prevent tie wires from contacting the crossarm when tying and untying insulators. Designed for single or double-arm construction with slots for double-arming bolts.



### C406-0046 46 kV Insulator Cover

Fits over insulators up to 10-1/2" in diameter and locks with a conductor cover on each end. Adjustable in length from 22" to 34".

### 46 kV Phase-to-Phase Covers

Part #	Description
C406-0082	4' Epoxiglas Handle
C406-0082-6	6' Epoxiglas Handle
C406-0082GA	Grip-All Adapter

### 15/36.6 kV Phase-to-Phase Covers for Single Crossarms

Part #	Description
C406-0083	4' Epoxiglas Handle
C406-0083-6	6' Epoxiglas Handle
C406-083GA	Grip-All Adapter

### 15/36.6 kV Phase-to-Phase Covers for Double Crossarms

Part #	Description
C406-0084	4' Epoxiglas Handle
C406-0084-6	6' Epoxiglas Handle
C406-084GA	Grip-All Adapter



### M4931 46 kV Conductor Cover

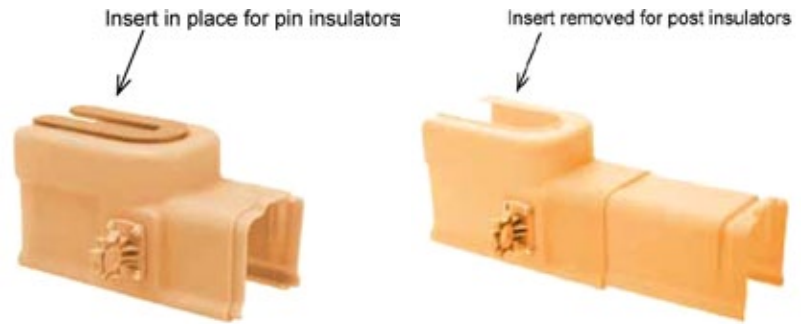
At 5' in length, these covers come with a Grip-All adapter and can accommodate conductors up to 2" in diameter.



## COVER-UP EQUIPMENT

### C406-0504 Crossarm Cover

This rigid cover up fits onto wood or steel crossarm sizes up to 3-3/4" x 4-3/4". It telescopes from 13.1" to 20.9" and is rated at 26.4kV phase-to-phase.



## POLE COVERS

The pole covers are ribbed to reduce contact with the pole in order to minimize creosote contamination. Buttons on the 4' and 6' lengths allow the covers to be joined together when longer lengths are needed.



### 6" Diameter Pole Covers

Part #	Description
C406-0550	48" Overall Length
C406-0551	72" Overall Length

### 9" Diameter Pole Guards

Part #	Description
M4937-1	12" Overall Length
M4937-2	24" Overall Length
M4937-3	48" Overall Length
M4937-4	72" Overall Length

### 12" Diameter Pole Guards

Part #	Description
C406-0029	24" Overall Length
C406-0030	48" Overall Length
C406-0000	72" Overall Length



### C406-0547 Rope Lock

Helps keep pole covers in place especially on smooth surfaces. Can be used on all sizes of pole guards.

## COVER-UP EQUIPMENT

### 15 kV & 25 kV Polyethylene Line Guards



6060



6065

Part #	Description
<b>6050</b>	5' Line Guard, 15 kV
<b>6060</b>	6' Line Guard, 15 kV
<b>6055</b>	5' Line Guard, 25 kV
<b>6065</b>	6' Line Guard, 25 kV

Made of lightweight polyethylene, these guards are available in 5' and 6' lengths. Snap together feature with male & female connecting ends.

### 15/25 kV Conductor and Insulator Covers

These 4'-6" guards are equipped with an adjustable eye for installation with any shotgun. Male and female ends allow the guards to interlock with each other.



12528



12527

Part #	Description
<b>12936</b>	4'-6" Line Guard with Shotgun Eye
<b>12528</b>	Insulator Hood for Single Pins
<b>12527</b>	Insulator Hoods for Double Pins

### 35, 46 & 69 kV Conductor and Insulator Covers

Insulator hoods for either single or double pins. Part # 9770 is adjustable to 3 lengths, 27", 32" and 37".

These line guards come with either a shotgun eye or an installing stick handle. With interlocking male & female ends, they can also be nested to save on storage space.



9144



6010

Part #	Description
<b>9144</b>	22" Insulator Hood for Single Pins
<b>9770</b>	Adjustable Insulator Hood for Double Pins

Insulator Hood Voltage Ratings:  
 35 kV when used with 6010 or 6011 guards  
 46 kV when used with 6012 or 6013 guards  
 69 kV when used with 12000 or 12001 guards

Part #	Description
<b>6010</b>	35 kV Line Guard with Shotgun Eye
<b>6011</b>	35 kV Line Guard with 4' Installing Stick
<b>6012</b>	46 kV Line Guard w/ Shotgun Eye
<b>6013</b>	46 kV Line Guard 4' Installing Stick
<b>12000</b>	69 kV Line Guard w/ Shotgun Eye
<b>12001</b>	69 kV Line Guard w/ 6' Installing Stick





## COVER-UP EQUIPMENT

### C406-0002 Polyethylene Sheeting

#### Substation & Underground Barriers

This bright orange polyethylene material comes in 4' x 6' sheets and can be cut to smaller sizes with any hand or power saw use to cut wood. It can also be formed with a blow torch or in an oven heated to 250 F.



### Arc-Suppression Blankets

When draped or loosely wrapped over a defective cable or splice, this arc suppression blanket provides protection against electrical arcs and flashes. With Velcro® straps to help keep it in position, this arc-suppression blanket has been tested successfully at 42,000 amps fault current.



Part #	Size	Weight
<b>C406-0452</b>	4' x 5'	4 lbs.
<b>C406-0453</b>	4' x 8'	6-1/2 lbs.

**THIS BLANKET IS NOT CLASSIFIED AS “ELECTRICALLY INSULATED”.**



### Instant Insulation

Instant Insulation may be installed as permanent cover to protect against outages caused by weather, trees and animals. Instant Insulation resists ozone and ultraviolet deterioration while remaining flexible even at sub-zero conditions.

SKU	Name	Description
<b>1127</b>	INSTANT INSULATION 12' / 3.6m long	Dimensions (in): .75 I.D., Grey
<b>1128</b>	INSTANT INSULATION 12' / 3.6m long	Dimensions (in): .75 I.D., Orange
<b>1129</b>	INSTANT INSULATION 12' / 3.6m long	Dimensions (in): 1.00 I.D., Grey
<b>1130</b>	INSTANT INSULATION 12' / 3.6m long	Dimensions (in): 1.00 I.D., Orange
<b>1131</b>	INSTANT INSULATION 12' / 3.6m long	Dimensions (in): 1.25 I.D., Grey
<b>1132</b>	INSTANT INSULATION 12' / 3.6m long	Dimensions (in): 1.25 I.D., Orange

## TRAFFIC & WORK ZONE SAFETY



### 28CC-RC Collapsible Cone

Made with heavy duty nylon, these 28" cones collapse into a 2" PVC base with rubber feet. An LED light inside the cone provides nighttime visibility and can be set to steady or flash.



### 28TC-RC Traffic Cone

With 6" top & 4" bottom reflective collars. Stands 28" and weighs 10 lbs. with cleated bottoms to grip the road. Stenciling is available.



### 6850 Retractable Cone Bars - Yellow/Black

These barricade bars adjust from 6' to 10' and fit over almost any traffic cone. Made of commercial grade ABS materials with engineer grade reflective sheeting. Weighs only 1.35 lbs.



### TECMB Cone Mounted Barrier

A highly visible, retractable belt extends to 29'-6" that can be mounted to almost any traffic cone, wall or work vehicle. The end clip can attach to other units or wrap around a post and clip into itself. It has a locking button to prevent unwanted spooling due to wind. Works best with a cone weighing 10 lbs. or more. Available in Red/White or Black/Yellow.



## TRAFFIC & WORK ZONE LIGHTING



### 7901 Remote Control Light

This powerful 400,000 candle power light comes with a programmable wireless remote, suction cup & magnetic mounting shoe and 15' cord with 12VDC lighter plug. 370o rotation & 135o tilt.

### 7951 Same as the 7901 but in Black



### 2067 Dual Remote Control Light

Similar in size and power to the 7901 Remote Light, this unit offers a dash mounted remote as well as a wireless remote control. Complete with hardware for permanent mounting.

### 2049 Same as the 2067 but in Black



### 45601 HID Litebox Flashlight

The HID Litebox has the intensity and peripheral illumination to light an entire scene. 2 each 5mm white LEDs placed in the front of the housing provides low-light maneuvering. The HID lamp can run up to 1-3/4 hours on a single charge and the LEDs up to 100.

- 35 Watt High Intensity Xenon Bulb: 1,000,000 candlepower



### 45116 Litebox Flashlight

A powerful light with 90o swivel head that comes with a high-intensity halogen bi-pin 8 watt spot bulb. Other bulbs are available. Complete kit includes shoulder strap, A/C and D/C chargers and mounting rack.

- 8 Watt Spot: 80,000 candlepower, 9 hours runtime



### 45851 LED Litebox Flashlight

3 powerful LED's and deep dish parabolic reflectors produce a large spot pattern. The LED's are impervious to shock and have a 50,000 hour life. It has both Hi and Low power settings. The kit includes shoulder strap, A/C and D/C chargers and mounting rack.

- Hi Setting: 55,000 candlepower, 7 hours runtime
- Low Setting: 32,000 candlepower, 15 hours runtime



**22051** 12V DC  
Charger Cord  
for All Liteboxes



**22311** 120V AC  
Charger Cord for Litebox

**22665** 120V AC Charger  
Cord for HID Litebox



**45937** Battery  
for Litebox

**45630** Battery  
for HID Litebox



## TRAFFIC & WORK ZONE LIGHTING



### 44900 WayPoint Flashlight

With 3 settings, low, high & strobe, this light is powered by 4 C batteries. The cushioned pistol-grip handle has a trigger style On/Off switch. The housing is made of a high-impact polycarbonate and features an integrated stand for hands-free lighting.

- Hi Setting: 115,000 candlepower, 8.5 hours runtime
- Low/Strobe Setting: 10,000 candlepower, 120 hours runtime



### “POLE BUG” LED STROBE LIGHT & 2-FLAG HOLDER

Using effective, long lasting LED technology - LED is rated for 100,000 hours of heavy duty operation - this system provides the ultimate in pole mount transportation safety. The single bright RED LED (also available in Amber), with a 5-7 mile visibility range, includes four flash patterns: Comet, Single, Steady Burn and Flare Flicker. Light module is encapsulated for vibration and moisture resistance with dual front/angled reflectors. System is powered by three alkaline “C” batteries, providing 100+ hours of continuous operation. Easy to attach and deploy, using heavy duty strap that attaches to all type of poles and sizes. Additional features include powder coated metal components and dual flag holders.

Includes batteries and two red flags.



### 05-828 LiteBox Holder

Accepts all Liteboxes



## WORK ZONE SAFETY APPAREL



### Hard Hats

Made of a tough polyethylene shell, these hard hats come in 4-point or 6-point suspension models. Each hat has slotted sides to accommodate accessories such as face shields or ear muffs. Both styles have a ratcheting head band to ensure proper fit. ANSI rated Type 1, Class E.

### FULL BRIM

#### 4-Point Models

Part #	Color
475393	White
802975	Blue
475391	Green

FR Chin Straps for Full Brim Hard Hats Part # 10102191





## WORK ZONE SAFETY APPAREL



### 10087220 MSA V-Gard Replacement Ratchet Suspension

You lost the ratchet suspension for your V-Gard hard hat?

**No worries!**

The MSA V-Gard replacement ratchet suspension fits in all MSA V-Gard hard hats including standard, fullbrim and NFL hard hat styles. Please notice that a standard size hard hat only works with a standard size suspension. This suspension is available in standard (6 ½ - 8") and large (7 - 8½").

### Eos Headlamp

The combination of a one-watt Maxbright LED and Princeton Tec's proprietary optics offers unprecedented brightness and beam smoothness in an ultralight, 3-AAA platform.



The Eos is optimal for both localized needs and spotting at a distance.

We recognize that different amounts of light are needed for different conditions and situations? that's why we equipped the Eos with three brightness levels and a blinking emergency/signaling mode.

The Eos is ready for adventure with its impact-resistant design.



### TIKKA PLUS® 2

Headlamp with 1 high-output LED, 1 red LED and five lighting modes (three continuous and two blinking).

### ELITE\* Safety Eyewear

99.9% UV Protection All Eyewear Meets ANSI Z87.1+ Impact standard available in the following lenses: Smoke, Clear, Indoor/Outdoor, Blue Mirror & Amber (shown)



### Magnum 3G\* Safety Eyewear

99.9% UV Protection All Eyewear Meets ANSI Z87.1+ Impact standard available in the following lenses: Copper/Blue, Clear, Yellow, Mirror & Smoke (shown)



## REEL LIFTS, PAYOUT & TAKE UP REELS



### 301-1 Pay-Out Reel

This all purpose, portable payout reel can be set horizontally or vertically. A tension brake prevents the reel from coasting eliminating backlash or unraveling of the wire. The width adjusts from 8" to 12" and the inside diameter adjusts from 15" to 30".



### CR Collapsible Cable Reel

Commonly referred to as a "Butterfly Reel", this reel is used for winding wire into neat coils. It then collapses so that the coiled wire can be easily removed. It's designed to attach to a 2-7/16" winch shaft and weighs 70 lbs.



### Strand & Wire Dispenser

Easy to use wire dispenser. Lift the pivoting arm, drop in the coil, lower the arm, cut the bands and feed the wire. Stores full and partially used coils.

**6150** 6-1/2"D x 30"W

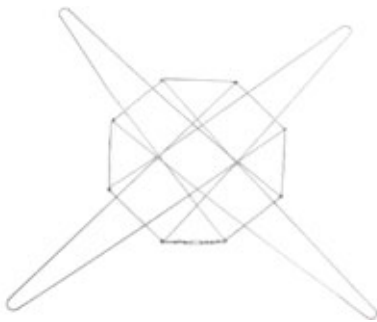
**61501** 8"D x 30"W

### The "Reel Thing"

A dependable, easy to use cable reel lifter for use in the warehouse or field.

#### ARBOR HOLE

Part #	Size	Cap. lbs.
<b>RT-20</b>	2" - 4"	3,000
<b>RT-40</b>	3" - 6"	4,500
<b>RT-60</b>	2-5/8" - 6"	12,000



### GWD 1000 Guy Wire Dispenser

Guy Wire Dispenser is designed to provide safe, easy, completely controlled handling and paying-out of strand coils up to 500 ft. in length, including EHS strand. It also can be used with wire, wire rope, cable, conductor, etc. Eliminate weight lifting, handling struggle, and the hazards of "runaway" coil ends.



### 5276 Guy Wire Dispenser

Coils are simply rolled into then stand and clamped into place with 4 adjustable arms for easy unwinding and rewinding. Holds coils with diameters up to 31" and widths of 4-3/4".



### 5478 Triplex Dispenser

Made of zinc coated steel, it has 8 adjustable arms to quickly load, unwind and rewind coils of various sizes. Accepts coils up to 32" outside diameter with a maximum width of 10-1/4".

### 5074 Mounting Base Plate for both models 5275 & 54

## GROUND PROTECTION MATS

These mats are designed to prevent heavy equipment from damaging lawns or landscaped areas and from getting stuck in mud or soft, wet terrain. They are less expensive than fiberglass and more cost effective than plywood.



### Mobile Mats

Made from “virgin” ultra-high molecular-weight polyethylene, these are the lightest weight mats on the market yet they are incredibly strong. The “M” style pattern provides great traction for even the most aggressive vehicles. The 8 molded handles on the long sides provide easy handling and maneuverability.

Part #	Size	Weight
<b>MM-2448</b>	2' x 4'	19 lbs.
<b>MM-2472</b>	2' x 6'	28 lbs.
<b>MM-2496</b>	2' x 8'	37.5 lbs.
<b>MM-4896</b>	4' x 8'	75 lbs.



### AlturnaMATs

These rugged mats are made of 1/2” polyethylene and are virtually indestructible. With a bold cleat design, these mats can support 60 ton loads and have been tested in extreme cold and heat. They can be locked together to form a continuous roadway or large work area.

Order links separately.



Part #	Size	Weight
<b>AM24</b>	2' x 4'	21.5 lbs.
<b>AM26</b>	2' x 6'	32.35 lbs.
<b>AM28</b>	2' x 8'	43 lbs.
<b>AM48</b>	4' x 8'	86 lbs.



**RTL-S Single Link** To connect 2 mats end to end

**RTL-D Double Link** To connect 4 mats at the corners



## GROUND PROTECTION MATS

These mats are designed to prevent heavy equipment from damaging lawns or landscaped areas and from getting stuck in mud or soft, wet terrain. They are less expensive than fiberglass and more cost effective than plywood.

### Mat-Pak All-In-One Ground Protection Solution

This complete package is the handy way to transport and store your AlturnaMats.

#### PACKAGE CONTAINS:

- 12 - 4'x 8' or 3'x 8' Ground Protection Mats
- 1 - AMRK Turn-A-Rack Storage and Transportation Rack with four (4) way fork lift entry
- 20 - RTL-SG Turn-A-Links
- 2 - AMHH Handi-Hooks
- 2 - Custom Nylon Ratchet Straps



# AlturnaMATS

~ 6 YEAR Guarantee ~

Sizes to suit your needs			Approx. Shp.Wt.	
	Size	Item Number	lbs.	kg
Black Mats	4'x8' (1.22 x 2.44m)	AM48	86.00	(39.00)
	3'x8' (0.91 x 2.44m)	AM38	64.00	(29.25)
	3'x6' (0.91 x 1.83m)	AM36	51.00	(23.13)
	2'x8' (0.61 x 2.44m)	AM28	43.00	(19.50)
	2'x6' (0.61 x 1.83m)	AM26	32.35	(14.62)
	2'x4' (0.61 x 1.22m)	AM24	21.50	(9.75)
White Mats	4'x8' (1.22 x 2.44m)	WM48	86.00	(39.00)
	3'x8' (0.91 x 2.44m)	WM38	64.00	(29.25)
	2'x8' (0.61 x 2.44m)	WM28	43.00	(19.50)
	2'x6' (0.61 x 1.83m)	WM26	32.35	(14.62)
	2'x4' (0.61 x 1.22m)	WM24	21.50	(9.75)



## OUTRIGGER PADS

### Medium & Heavy Duty Pads

These pads feature a safety textured finish and bright orange rope handles. The solid, single material will bend but not break.

#### MEDIUM DUTY PADS

Part #	Size	Weight
<b>PAD-24241</b>	24" x 24" x 1"	20 lbs.
<b>PAD-30301</b>	30" x 30" x 1"	31 lbs.
<b>PAD-36361</b>	36" x 36" x 1"	45 lbs.
<b>PAD-48481</b>	48" x 48" x 1"	80 lbs.

#### MEDIUM DUTY CAPACITIES

Part #	Vertical	45° Angle
<b>PAD-24241</b>	60,000 lbs.	35,000 lbs.
<b>PAD-30301</b>	81,000 lbs.	41,000 lbs.
<b>PAD-36361</b>	93,000 lbs.	43,000 lbs.
<b>PAD-48481</b>	135,000 lbs.	52,000 lbs.

#### HEAVY DUTY PADS

Part #	Size	Weight
<b>PAD-24242</b>	24" x 24" x 2"	38 lbs.
<b>PAD-30302</b>	30" x 30" x 2"	62 lbs.
<b>PAD-36362</b>	36" x 36" x 2"	90 lbs.
<b>PAD-48482</b>	48" x 48" x 2"	160 lbs.

#### HEAVY DUTY CAPACITIES

Part #	Vertical	45o Angle
<b>PAD-24242</b>	62,000 lbs.	40,000 lbs.
<b>PAD-30302</b>	85,000 lbs.	43,000 lbs.
<b>PAD-36362</b>	98,000 lbs.	45,000 lbs.
<b>PAD-48482</b>	140,000 lbs.	55,000 lbs.



## TRUCK GROUNDING EQUIPMENT

### Truck Grounding Reels

Provides an efficient and positive means to ground trucks near energized electrical lines. Each reel with factory installed cable includes a 6' length of 2/0 ground cable to connect to the truck and a bronze body clamp to attach to the ground rod.



**21364** Small Grounding Reel with 40' of 1/0 cable and clamp

**21365** Small Grounding Reel with 40' of 2/0 cable and clamp

**21374** Large Grounding Reel with 50' of 1/0 cable and clamp

**21375** Large Grounding Reel with 50' of 2/0 cable and clamp

### Apparatus Grounding Clamps

Bronze clamps used as part of a truck grounding system. They have a high-current rating of 43,000 amps for 15 cycles and 30,000 amps for 30 cycles.

#### T600-2364

#### Long Ball Stud

The 3" shank accepts most types of ground clamps. Overall length is 7".



Part #	Terminal Type	Ferrule Type	Handle Type
<b>C600-2100</b>	Drilled	Threaded	Shotgun Eye
<b>C600-2101</b>	Tapped	Threaded	Shotgun Eye
<b>C600-2300</b>	Pressure	Pressure	Shotgun Eye
<b>T600-2320</b>	Tapped	Threaded	T-Handle



C600-2100



## TRUCK GROUNDING EQUIPMENT



### TETGR Screw Ground Rod

A temporary 6' copperclad ground rod with T-Handle.



### GR43BS2 Rotating Ground Adapter

This unique tool provides protection while the conductor is pulled from reels. It adds conductor grounding but does not replace other grounding practices. The adapter slides on the reel mandrel. The outer collar connects to the tail of the conductor on the reel and the inner collar connects to a ground rod.



### Equipotential Protective Ground Grid Kits

These protective grids provide an easy way to help establish an equipotential zone for lineworkers to stand on while performing work in energized and de-energized situations such as with trucks, transformers, switches and various apparatus work. Made of a high-ampacity tinned-copper-braid cable sewn in a grid pattern onto a vinyl/polyester fabric, it's portable and easy to clean.

Kits include a 6' length of 2/0 grounding cable with a C-Clamp on one end and a Ball Socket clamp on the other end, a long ball stud and storage bag.

Part #	Size
<b>C600-2989</b>	58" x 58"
<b>C600-2990</b>	58" x 120"
<b>C600-2991</b>	120" x 120"

## MEASURING EQUIPMENT



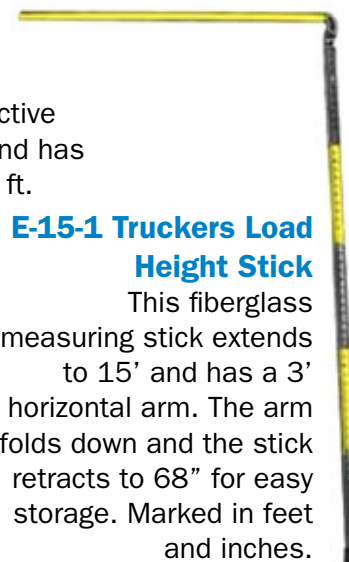
### 7005025 Laser Range Finder

Quickly and accurately calculates horizontal, vertical and slope distance with the press of a button. Typical range is 3,280' with a max of 6,560' to a reflective target. Measures in feet, yards, meters and degrees and has an in-scope LED display. Typical distance accuracy + 1 ft.



### SupaRule 600 Cable Height Meter

A handheld meter for measurement of cable sag, cable height, and overhead clearance, a safe alternative to telescopic ranging sticks. Utilises ultrasonic signals to determine the height of overhead cables up to 23m (75'). The optional DT80 Dynamic Target enables the CHM300DT version Cable Height Meter to also measure horizontal distances to a diameter of more than 80m (260').



### E-15-1 Truckers Load Height Stick

This fiberglass measuring stick extends to 15' and has a 3' horizontal arm. The arm folds down and the stick retracts to 68" for easy storage. Marked in feet and inches.





## LIFTING & RIGGING BLOCKS

### Half-Side Blocks

The cast-annealed steel sides and compact design make these blocks rugged and easy to handle and feature precision-machined bronze bearings. The A-4 is available with the regular yoke only. All other models are available with either the regular yoke or swivel shackle.

Part #	Sheave Size	Line Size	Weight (lbs.)	SWL (lbs.)
A-4	4"	3/8"	9	10,000
A-6	6"	3/8" - 1/2"	17	14,000
A-8	8"	1/2" - 5/8"	29	16,000
A-10	10"	5/8" - 3/4"	34	16,000

Regular Yoke



### Cast Sided Blocks

Made of the same steel and with the same bearings as the half-side blocks, the sheaves of these cast sided blocks are fully protected. All of these blocks are available with either a swivel shackle, swivel hook or swivel hook with safety latch.

Part #	Sheave Size	Line Size	Weight (lbs.)	SWL (lbs.)
S-4	4"	3/8"	11	6,000
S-6	6"	3/8" - 1/2"	26	13,000
S-8	8"	1/2" - 5/8"	32	13,000
S-10	10"	5/8" - 3/4"	44	14,000

Swivel Hook with Safety Latch



For Swivel Shackle, use suffix "SS".

For Swivel Hook only, use suffix "SH".

For Swivel Hook with Safety Latch, use suffix "SHL".

### Wide Sheave - Wide Throat Blocks

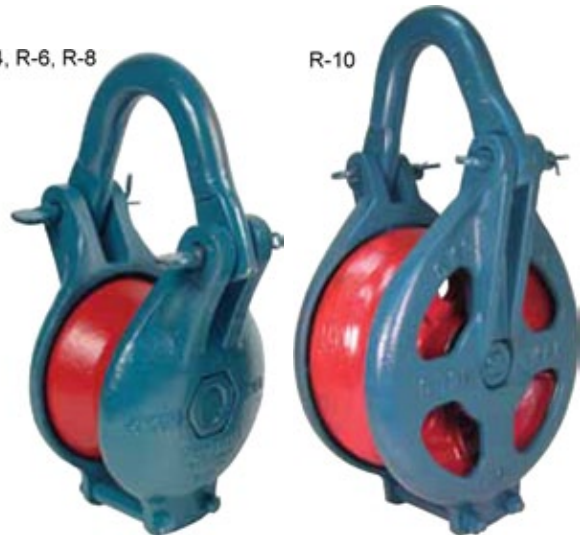
With sheaves made from manganese metal, these durable blocks provide a long service life.

Timken bearings come standard on wide throat blocks except the R-4 which has roller bearings. All available with regular yoke only.

Part #	Sheave Size	Line Size	Weight (lbs.)	SWL (lbs.)
R-4	4"	3/8"	12	10,000
R-6	6"	3/8" - 1/2"	30	16,000
R-8	8"	1/2" - 5/8"	43	16,000
R-10	10"	5/8" - 3/4"	50	18,000

R-4, R-6, R-8

R-10



## LIFTING & RIGGING BLOCKS

### LH495-2 Handline Blocks

- Snatch opening with captive latch pin that will not fall out
- Cast aluminum alloy body and wheel; alloy steel yoke
- Stainless steel axle
- Forged steel swivel eye
- Roller bearings

Item #	Outside Wheel Diameter	Bottom of Groove Diameter	Max Line Size	Min Breaking Strength	Shipping Weight	Wheel Material
LH495-2	3-1/4"	2-3/8"	3/4"	7,500	3.5 lbs.	Aluminium



### AHB-4 Tower Block

- 7/8" Rope Capacity
- 2,500 lbs Safe Working Load.
- 4" Sheave
- Shielded Bearings
- Weighs 6.3 lbs



### 606B2H Snatch Block

- 1" Rope Capacity
- 5,000 lbs Safe Working Load
- 6" Sheave
- Bronze Oilite Bearings
- Weighs 13.8 lbs.



### LH494-2 Handline Block

- 5/8" Rope Capacity
- 4,000 lbs Safe Working Load
- 5-1/2" Sheave
- Roller Bearings
- Weighs 7.3 lbs.



### Custom Winch Lines

Heavy Duty winch line with an eye on each end. 1" diameter constructed from Samson Stable Braid rope. Stable Braid is a double-braided polyester rope designed for high strength-to-weight ratio with low stretch. The rope is flexible and easy to handle. Sampson average strength: 39,200 lbs. Samson minimum strength: 33,300 lbs.

**Please advise length required upon ordering.**

## HANDLINES

**DR-2**

2" Handline Ring

**470**

Handline Snap

**HL6**

Handline Hook

**HL7**

Handline Hook

**HLB-1000****HLB-1250****Handline Rope**

A 12-strand rope with an excellent grip. It's high strength and low stretch qualities along with good UV resistance makes this an ideal handline rope. Made of a multifilament polyester with a polypropylene core.

Part #	Dura-Plex Diameter	Minimum Tensile (lbs)
<b>SAM</b>	1/2"	6,700

Standard reel lengths of 600' & 1,200'

**Handline Blocks**

Smooth running 3" sheaves accommodate rope up to 5/8" diameter. All models have a 1,000 lb capacity at a 3-1 safety factor.

**Part #**

<b>HLB-1250</b>	Aluminum Body, Open Head
<b>HLB-1000</b>	Nylon Body, Open Head
<b>HLB-1000-2</b>	Nylon Body, Closed Head

**Part # Sets with Aluminium Blocks**

<b>HL08A-40</b>	HLB-1250 Block, 80' of 1/2 Rope
<b>HL08A-50</b>	HLB-1250 Block, 100' of 1/2 Rope
<b>HL08A-75</b>	HLB-1250 Block, 150' of 1/2 Rope
<b>HL08A-100</b>	HLB-1250 Block, 200' of 1/2 Rope
<b>HL10A-40</b>	HLB-1250 Block, 80' of 5/8 Rope
<b>HL10A-50</b>	HLB-1250 Block, 100' of 5/8 Rope
<b>HL10A-75</b>	HLB-1250 Block, 150' of 5/8 Rope
<b>HL10A-100</b>	HLB-1250 Block, 200' of 5/8 Rope

**Part # Sets with Nylon Blocks**

<b>HL08N-40</b>	HLB-1000 Block, 80' of 1/2 Rope
<b>HL08N-50</b>	HLB-1000 Block, 100' of 1/2 Rope
<b>HL08N-75</b>	HLB-1000 Block, 150' of 1/2 Rope
<b>HL08N-100</b>	HLB-1000 Block, 200' of 1/2 Rope
<b>HL10N-40</b>	HLB-1000 Block, 80' of 5/8 Rope
<b>HL10N-50</b>	HLB-1000 Block, 100' of 5/8 Rope
<b>HL10N-75</b>	HLB-1000 Block, 150' of 5/8 Rope
<b>HL10N-100</b>	HLB-1000 Block, 200' of 5/8 Rope

**Complete Handline Sets**

Made to order handline sets with either aluminum or nylon blocks and 1/2" or 5/8" diameter 3-strand rope. Standard sets come with the # 258T double eye hook. Each set includes an adjustable 9' "Becket" to hold the handline in place.



Custom handline sets can be made to suit your needs.



## SLACK BLOCKS

**267**

Plain Block

**268**

Block with Eye

**H267**Plain Block with  
Guarded Snap**H268**Block with Eye &  
Guarded Snap**259**Swivel Anchor  
Hook**258**

Anchor Hook

### Complete Slack Block Sets

All slack block sets are supplied with 25' of 3/8" 3-strand poly rope. Choice of # 258 or # 259 hooks, plain or guarded snap blocks and spliced rope.

Part #	Componets
<b>1802-30</b>	258 Hook, 267 & 268 Blocks, Unspliced Rope
<b>1802-30SR</b>	258 Hook, 267 & 268 Blocks, Spliced Rope
<b>1802-30S</b>	259 Hook, 267 & 268 Blocks, Unspliced Rope
<b>1802-30SSR</b>	259 Hook, 267 & 268 Blocks, Spliced Rope
<b>H1802-30</b>	259 Hook, H267 & H268 Blocks, Unspliced Rope
<b>H1802-30SR</b>	259 Hook, H267 & H268 Blocks, Spliced Rope
<b>H1802-30S</b>	259 Hook, H267 & H268 Blocks, Unspliced Rope
<b>H1802-30SSR</b>	259 Hook, H267 & H268 Blocks, Spliced Rope

**1802-30SSR****1702-20N Howe Wire Tool**

A forged swivel hook is attached to a 1" wide nylon strap. The hook is long enough to reach under the insulator while the other end holds the load at any distance. 500 lb capacity.

**443A**

Snap Hook  
1,500 lbs capacity

**2012**

Swivel Snap Hook  
150 lbs capacity



## NYLON SLINGS

Part #	Colour	Rated Capacity (lbs.)		
		Vertical	Choker	Basket
<b>EN30</b>	Purple	2,600	2,100	5,200
<b>EN60</b>	Green	5,300	4,200	10,600
<b>EN90</b>	Yellow	8,400	6,700	16,800
<b>EN120</b>	Tan	10,600	8,500	21,200
<b>EN150</b>	Red	13,200	10,600	26,400
<b>EN180</b>	White	16,800	13,400	33,600
<b>EN240</b>	Blue	21,200	17,000	42,400
<b>EN360</b>	Grey	31,000	24,800	62,000
<b>EN600</b>	Brown	53,000	42,400	106,000
<b>EN800</b>	Olive	66,000	52,800	132,000
<b>EN1000</b>	Black	90,000	72,000	180,000

### Roundslings

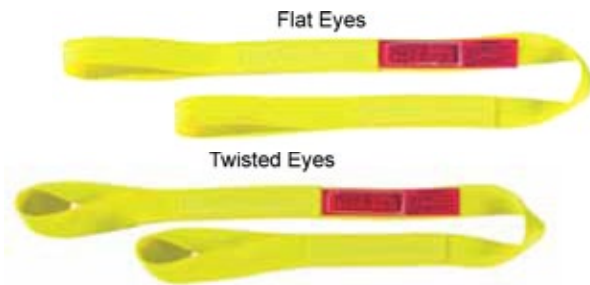
Polyester load yarns protected by a double wall jacket. The wear points can be shifted to extend the life of the sling. Color-coded along industry standards.



# of Plys	Part #	Width	Rated Capacity (lbs.)		
			Vertical	Choker	Basket
One Ply	<b>EE1-811</b>	1"	1,600	1,250	3,200
	<b>EE1-812</b>	2"	3,200	2,500	6,400
	<b>EE1-813</b>	3"	4,800	3,800	9,600
	<b>EE1-814</b>	4"	6,400	5,000	12,800
	<b>EE1-816</b>	6"	9,600	7,700	19,200
Two Ply	<b>EE2-821</b>	1"	3,200	2,500	6,400
	<b>EE2-822</b>	2"	6,400	5,000	12,800
	<b>EE2-823</b>	3"	8,600	6,900	17,200
	<b>EE2-824</b>	4"	11,500	9,200	23,000
	<b>EE2-826</b>	6"	16,300	13,000	32,600

### Eye to Eye Nylon Slings

A variety of nylon slings for a variety of uses. Each ply is approximately 3/16" thick. The nylon stretches to help avoid shock loading.



Specify length when ordering.

For twisted eyes, add a "T" suffix to the part number.

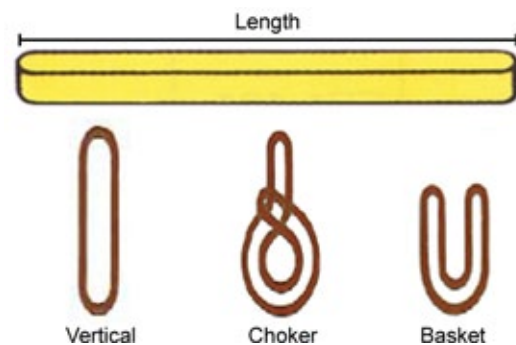
Eye to eye slings are also available with hardware attached to the eyes.

# of Plys	Part #	Width	Rated Capacity (lbs.)		
			Vertical	Choker	Basket
One Ply	<b>EN1-811</b>	1"	3,200	2,500	6,400
	<b>EN1-812</b>	2"	6,400	5,000	12,800
	<b>EN1-813</b>	3"	8,600	6,900	17,200
	<b>EN1-814</b>	4"	11,500	9,200	23,000
	<b>EN1-816</b>	6"	16,300	13,000	32,600
Two Ply	<b>EN2-821</b>	1"	6,200	4,900	12,400
	<b>EN2-822</b>	2"	12,200	9,800	24,400
	<b>EN2-823</b>	3"	16,300	13,000	32,600
	<b>EN2-824</b>	4"	20,700	16,500	41,400
	<b>EN2-826</b>	6"	28,600	23,000	57,200



### Endless Nylon Slings

These slings can be rotated to minimize wear and the legs can be spread for improved load balance.



Specify length when ordering

## TRANSFORMER SLINGS



### NRM Transformer Lifting Sling

- This sling is used to lift transformer into place.
- The elastic strap prevents that the sling eyes fall out of the lifting points.
- 2800 lb safe working load at 60 deg.
- NRM-XL is also available with a larger lifting eye to fit on the fork of a lift truck



### Adjustable Transformer Slings

These polyester transformer slings are adjustable from 24" to 48" in length and the eyes are adjustable from 3" to 15".

Part #	Diameter	Colour	SWL
<b>689-0328</b>	1/2"	Blue	2,200 lbs.
<b>689-0404</b>	5/8"	Red	3,200 lbs.
<b>689-0486</b>	3/4"	Green	4,200 lbs.



### 1031A Transformer Deck

A safe and effective way to move equipment in tight areas. It measures 32" wide, 93" long and has a 3,000 lb capacity. The front axle is a steerable, 2-wheel dolly with a 180o turning radius which doubles as a pole dolly. The rear axle is fixed on the standard model but decks can be ordered with front and back steerable axles.

### HA0075 Transformer Dolly

For the safe and easy handling of pole mounted transformers. Designed to maintain the vertical position of the transformer preventing leakage. The hand brake prevents the dolly from rolling back while being tilted. Almost effortless 360o steering.

Accepts transformers up to 36" in height and an extension is available for transformers measuring 44".

Load capacity of 900 lbs.





# KITO CHAIN HOISTS

## L5LB Series Lever Chain Hoists

3/4 TO 9 METRIC TONNE CAPACITY, TOUGH, SMOOTH-OPERATING HOIST.

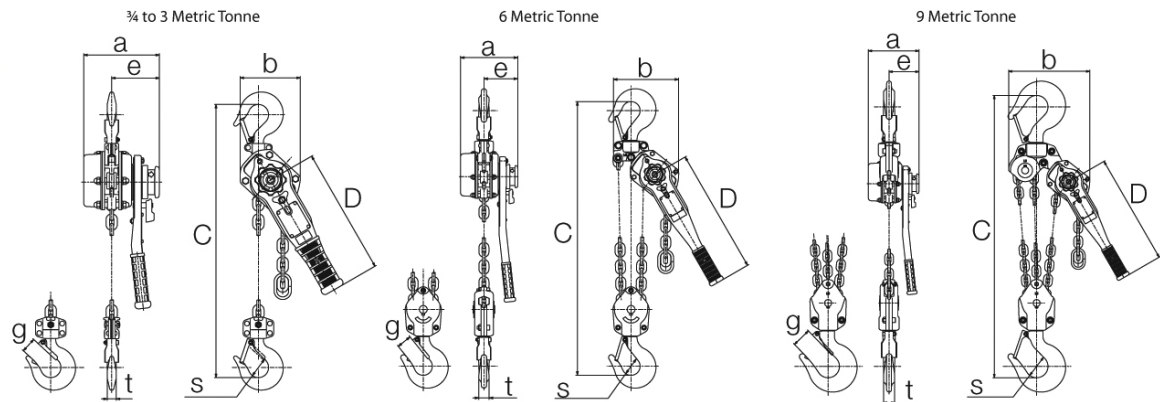
KITO L5 Series Lever Hoists are built with premium grade components for long life in demanding industrial and contracting applications. L5 lever hoists feature double-reduction gearing for reduced size and weight.



Black freewheel knob easily distinguishes the slip clutch unit from standard lever hoists.

### L5LB with Optional Slip Clutch

Slip Clutch hoists make for safer worksites. This internal mechanism protects the hoist from damage in the event of an excessive overload, with no increase in size.



Capacity (tonne)	Model	DIMENSIONS (mm)							
		C	D	a	b	e	g	s	t
3/4	<b>L5LB008</b>	280	245	144	119	97	23.5	35.5	14
1 1/2	<b>L5LB015</b>	335	265	159	126	100	32	42.5	19
1 1/2	<b>L5LB025</b>	375	265	173	150	102	36.5	47	21
	<b>L5LB030</b>	395	415	190	159	112	39	50	24.5
	<b>L5LB060</b>	540	415	190	217	112	50	60	34
9	<b>L5LB090</b>	680	415	190	304	112	72.5	85	41.5

Capacity (tonne)	Lift Model	Standard	Hand Pull to	Handle	Load Chain Code	Load Chain Falls	Ship Weight (lbs)	Weight per Additional 5 ft. Lift (lbs)
		Lift (ft)	Full Load (kg)	Headroom (in)				
3/4	<b>L5LB008</b>	5	27	11	KLB5056	1	13	3
1 1/2	<b>L5LB015</b>	5	32	13.25	KLB5071	1	18	4
1 1/2	<b>L5LB025</b>	5	37	14.75	KLB5088	1	26	6
	<b>L5LB030</b>	5	35	15.5	KLB5100	1	35	8
	<b>L5LB060</b>	5	36	21.25	KLB5100	2	59	16
9	<b>L5LB090</b>	5	39	26.75	KLB5100	3	92	24

Custom lift lengths to suit your requirements



## CHAIN HOISTS



### PE-1 Pulling Eye

Adjusts from 1/2" to 1".  
6,000 lb. capacity



### RA Model Link Chain Hoists

These aluminum ratchet lever hoists with link type chain are ideal for transmission and distribution applications. The handle length for these hoists is 20-1/2" and the standard lift is 5'. Extra chain is available.



### E96HD Heavy Duty Pulling Eye

This pulling eye can be used for loads up to approximately 15,000 lbs. Sizes available for 1-1/4", 1-1/2", 1-3/4" and 2" anchor rods.

Part #	Rated Capacity (Tons)	Handle Pull at Rated Load (lbs)	Weight (lbs)
RA-15	3/4	59	14
RA-20	1	79	14
RA-15-2	1-1/2	60	21
RA-30	1-1/2	82	26
RA-40	2	110	26
RA-30-2	3	93	40
RA-30-3	4-1/2	96	59
RA-30-4	6	97	72



C309-0440

### Aluminum Body Link Chain Hoists

The lightweight, high-strength handle and housing are made of heat-treated aluminum. The chain is a high-strength alloy steel, polished for smooth action and low wear. All models are proof-tested at 150% of their rated capacity and have a standard 5' lift.

Part #	Rated Capacity (Tons)	Handle Pull at Rated Load (lbs)	Weight (lbs)
C309-0438	3/4	65	14
3011S	1	90	14
C309-0439	1-1/2	60	22
4012	2	90	28-1/2
C309-0440	3	60	30-1/2
C309-0441	4-1/2	70	47
C309-0442	6	70	50



3011S



## STRAP HOISTS

344B



### Strap Hoists With Standard Handles & Hooks

Double interlocking pawls assures that one pawl is engaged at all times for positive load holding. Except for the 6000 series, the fiberglass handles have an overload feature. The replaceable tips bend to alert the user of a possible overload. All hooks swivel 360° and are equipped with latches. A quick disconnect design of the sheave block allows for easy removal for single line use.

Part #	Single Line Cap. (tons)	Double Line Cap. (tons)	Single Line Lift (ft.)	Double Line Lift (ft.)	Weight (lbs.)
<b>250A</b>	1/2	1	9	4-1/4	11
<b>300A</b>	3/4	1-1/2	9	4-1/4	11
<b>322B</b>	3/4	1-1/2	14	7	12-1/2
<b>344B</b>	1	2	11	5-1/2	13-1/2
<b>6000A</b>	N/A	3	N/A	5	25-1/2

## STRAP HOISTS

### Strap Hoists With Hot Stick Handles & Hooks

6000DA



Part #	Single Line Cap. (tons)	Double Line Cap. (tons)	Single Line Lift (ft.)	Double Line Lift (ft.)	Weight (lbs.)
<b>250DA</b>	1/2	1	9	4-1/4	11
<b>300DA</b>	3/4	1-1/2	9	4-1/4	11
<b>322DB</b>	3/4	1-1/2	14	7	12-1/2
<b>344DB</b>	1	2	11	5-1/2	13-1/2
<b>6000DA</b>	N/A	3	N/A	5	25-1/2



Standard Hook



Hot Stick Hook



Swivel Gate Hook



Hot Stick & Gate Latch Hook

Specify special hooks or latches when ordering.



## STRAP HOISTS

### Convertible Strap Hoists

The heat-treated aluminum-alloy frame is of an open design for self-cleaning in mud or ice. The interlocking pawls allow for sure control without brakes that can slip. Standard lift on all models is 6' in single strap mode and 3' in double strap mode.

Part #	Hook & Handle Type	Capacity Single Line (tons)	Capacity Double Line (tons)	Weight (lbs.)
<b>C309-0451</b>	Standard Hooks & Handle	3/4	1-1/2	12-1/2
<b>C309-0452</b>	Hot Stick Hooks & Handle	3/4	1-1/2	13-1/2
<b>T308-0683</b>	Hot Stick Hooks & Handle	1	2	13-1/2

C309-0452



### Non-Convertible Strap Hoists

All of these models come with Hot Stick Rings on the hooks and latches. The 1 Ton models have a single strap with a standard lift of 5' - 9" while the 2 Ton models have a double strap with a lift of 3' - 9".

Part #	Handle Type	Capacity (tons)	Weight (lbs.)
<b>PSC309-0323</b>	Standard Handle	1	12-3/4
<b>PSC309-0467</b>	Hot Stick Handle	1	13-3/4
<b>PSC312-0000</b>	Standard Handle	2	14-1/2
<b>PSC309-0468</b>	Hot Stick Handle	2	15-1/2

C312-0000



For 4 foot handle please add -H5016



## STRAP HOISTS

These hoists have a double-flanged drum to keep the strap from making contact with the ratchet teeth and a breakable stress link alerting the user to a possible overload. Individually tested to 125% of the rated capacity. Models 30W08 and 30W08S are convertible from single to double rigged using easy pull lynch pins on both the pulley block and hoist frame.

Part #	Handle Length	Single Line Cap. (tons)	Double Line. Cap. (tons)	Single Line Lift (ft.)	Double Line Lift (ft.)	Weight (lbs.)
<b>2W10</b>	30"	1/2	1	9	4-1/2	10-1/4
<b>2W10S</b>	20"	1/2	1	9	4-1/2	10-1/4
<b>3W08</b>	30"	3/4	1-1/2	7	3-1/2	10-1/4
<b>3W08S</b>	20"	3/4	1-1/2	7	3-1/2	10-1/4
<b>30W08</b>	30"	3/4	1-1/2	7	3-1/2	10
<b>30W08S</b>	20"	3/4	1-1/2	7	3-1/2	10
<b>4W12</b>	36"	1	2	10	5	14-3/4

30W08S



Standard Hook



Hot Stick Hook



Swivel Gate Hook



Hot Stick &amp; Gate Latch Hook

Specify special hooks or latches when ordering.

2W10B



## LINK STICKS

1-1/4" diameter Epoxiglas® poles with steel hook on one end and butt swivel on the other end. 4,000 lb working load.

Part #	Length Between Fittings	Weight
<b>C400-1175</b>	15"	4 lbs.
<b>C400-2399</b>	18"	5 lbs.
<b>C400-2400</b>	24"	6 lbs.



## CAPSTAN HOISTS, 1,000-LB CAPACITY



**C308-1170**

Lightweight yet powerful, these portable hoists can get into remote or difficult-access sites. They perform a variety of tasks such as pole setting, pulling wheeled equipment over obstacles, raising transformers, stringing and tensioning conductors, pulling cable, and much more. Control is so accurate, loads can be moved fractions of an inch.

### Electric Capstan Hoists

All electric capstan hoists are furnished with foot controls. The 12 Volt DC model comes with 25' of #2 Cu cable, 4 terminals, relay and the foot switch.

Part #	Voltage	Weight
<b>C308-1170</b>	115 Volt AC	49 lbs.
<b>C308-1171</b>	230 Volt AC	49 lbs.
<b>C308-1172</b>	12 Volt DC	56 lbs.



### C308-1190 Gasoline Drive Capstan Hoist

Foot throttle control is included. Features a 35cc 4-cycle engine. Mounting bracket # C308-0925 is recommended for this hoist.

Operator effort remains low for typical loads simply by adding wraps on the capstan drum. 4 wraps of rope = 1:44 ratio.

That is, 1 lb. pull on Fall Line develops 44 lb. on Load Line  
Therefore, 20 lb. of pull develops 880 lb. of lift.

*NOTE: Always use at least as many wraps of rope on the drum to lower a load as required to lift that load.*



### C308-1180 Hydraulic Capstan Hoist

Equipped with 3/8" NPT flat face couplers and dust caps. Order foot control switch part #C308-0685 separately.

Part #	Rope Speed for 1,000 lb. Load	Source, Minimum
<b>C308-1170</b>	40 Feet Per Minute	14 Amp Motor Current
<b>C308-1171</b>	21 Feet Per Minute	7 Amp Motor Current
<b>C308-1172</b>	22 Feet Per Minute	90 Amp Motor Current
<b>C308-1180</b>	93 Feet Per Minute	8 Gal/ min. & 1,000 PSI
<b>C308-1190</b>	40 Feet Per Minute	Engine Speed: 7,000 RPM



## 1,000-LB. CAPSTAN HOIST ACCESSORIES



**C308-0925**  
Universal Bracket



**E308-1321P**  
Bolt Down Bracket



**C308-1335**  
All-Purpose Bracket



**E308-1334P 72" Chain Clamp**  
for E308-1321P or C308-1335

**C417-0346 85" Chain Clamp**  
for C308-0925 Bracket



**C308-0856**  
Rope Lock Device



**C308-0903**  
Swivel Bracket



**C308-0890**  
C-Bracket



**T308-0999**  
Hitch-Receiver Mount



**C417-0337**  
Electric Foot Control Switch



**C308-0685**  
Hydraulic Foot Control Switch

## CAPSTAN HOISTS, 3,000-LB CAPACITY



### C308-1370

#### Electric Capstan Hoist

115 Volts AC. Includes foot control switch.



### C308-1380 Hydraulic Capstan Hoist

Comes with 3/8" flat face couplers.  
Order foot control switch separately.

### C308-0900 Hydraulic Capstan Hoist

With bayonet adapter installed.



### C308-1390

#### Gasoline Drive Capstan Hoist

Includes foot control switch and 35cc,  
4-cycle engine.



Operator effort remains low for typical loads simply by adding wraps on the capstan drum.

4 wraps of rope = 1:44 ratio.

That is, 1 lb. pull on Fall Line develops 44 lb. on Load Line

Therefore, 20 lb. of pull develops 880 lb. of lift.

*NOTE: Always use at least as many wraps of rope on the drum to lower a load as required to lift that load.*

Part #	Rope Speed for 1,000 lb. Load	Source, Minimum
<b>C308-1370</b>	12 Feet Per Minute	14 Amp Motor Current
<b>C308-1380</b>	30 Feet Per Minute	8 Gal./ Min. & 1,000 PSI
<b>C308-1390</b>	11 Feet Per Minute	Engine Speed: 7,000 RPM

## 3,000-LB. CAPSTAN HOIST ACCESSORIES



**E308-1321P**  
Bolt Down Bracket



**C308-1335**  
All-Purpose Bracket



**E308-1334P**  
72" Chain Clamp



**C417-034**  
Removable Capstan Drum



**C308-0856**  
Rope Lock Device



**C308-0820**  
**Bayonet Adapter**  
2-7/16" Dia. to retrofit 3,000 lb.  
hydraulic capstan to accept  
collapsible reel or capstan drum.



**C417-0337**  
Electric Foot Control Switch



**C308-0685**  
Hydraulic Foot Control Switch





## WIRE PULLING GRIPS



### Chicago Grips for Large Diameter Conductors

The round jaws on these grips provide maximum contact with the cable virtually eliminating conductor damage. The 1628-50 is furnished with a removable floating jaw held in place by a bolt swaged into the lever arm of the grip. This jaw must be removed to insert the cable.

Part #	*Minimum Cable	*Maximum Cable	Maximum Safe Load	Jaw Length	Approx. Weight
<b>1628-16P</b>	.31" (# 2 ACSR)	.88" (477,000 ACSR)	15,000 lbs.	7-1/4"	17 lbs.
<b>1628-30 **</b>	.85" (477,000 ACSR)	1.24" (1,033,500 ACSR)	20,000 lbs.	10-3/4"	27 lbs.
<b>1628-40 **</b>	1.24" (1,033,500 ACSR)	1.54" (1,590,000 ACSR)	25,000 lbs.	10-3/4"	34 lbs.
<b>1628-50 **</b>	1.00" (666,600 ACSR)	1.82" (2,500,000 Alum)	25,000 lbs.	10-3/4"	34 lbs.

\* The range of wire sizes that each grip can accommodate. Each grip is milled to one specific wire size within that range.

\*\* Maximum safe stringing tension 12,500 lbs. to minimize conductor damage.

With Hot-Line Latch



### Chicago Grips for Bare ACSR, Aluminum & Stranded-Copper

The round, smooth jaw contour is ideal for bare ACSR, aluminum and stranded-copper cables and is less likely to damage the conductor. The hot-line latch closes automatically to prevent the grip from disengaging from the wire.



Part #	*Minimum Cable	*Maximum Cable	Maximum Safe Load	Jaw Length	Approx. Weight
<b>1656-20</b>	.20" (# 6 ACSR)	.40" (1/0 ACSR)	4,500 lbs.	4"	3 lbs.
<b>1656-30</b>	.31" (# 2 ACSR)	.53"	4,500 lbs.	4-3/4"	3.75 lbs.
<b>1656-40</b>	.53"	.74" (336,400 CM ACSR)	8,000 lbs.	5-1/2"	8.30 lbs.
<b>1656-50</b>	.74" (397,500 CM ACSR)	.86" (477,000 CM ACSR)	8,000 lbs.	5-1/2"	8.30 lbs.
<b>1656-60</b>	.86" (477,000 CM ACSR)	.96" (605,000 CM ACSR)	8,000 lbs.	5-1/2"	8.20 lb

To order grips with the Hot-Line Latch, add "H" to the end of the part number.

## WIRE PULLING GRIPS

### Chicago Grips for Aluminum Conductors

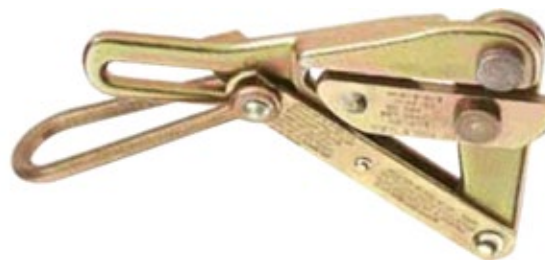
Locking loop handles and spring allow the jaws to be held open for easier placement on the cable. These lightweight grips are ideal for use on aluminum conductors. Hot-Line latches are available by special order.



Part #	*Minimum Cable	*Maximum Cable	Maximum Safe Load	Jaw Length	Approx. Weight
1678-20	.96"	1.02"	8,000 lbs.	5-11/16"	8.30 lbs.
1678-30	1.02"	1.08"	5,500 lbs.	5-11/16"	8.20 lbs.
1678-40	1.08"	1.14"	5,500 lbs.	5-11/16"	8.20 lbs.
1678-50	1.08"	1.14"	5,500 lbs.	5-11/16"	8.20 lbs.

### Chicago Grips for Bare Wire

This is a lightweight and economical grip. The single "V" groove jaw is designed for working with solid and stranded bare wire.



Part #	*Minimum Cable	*Maximum Cable	Maximum Safe Load	Jaw Length	Approx. Weight
1613-30	.08"	.20"	1,500 lbs.	3"	1.50 lbs.

### Chicago Grips for Weatherproof Wire

Notches in the jaws provide a firm grip on insulation. Due to various types of weatherproof coatings, the selection of the proper grip is determined by the outside diameter.



Part #	*Minimum Cable	*Maximum Cable	Maximum Safe Load	Jaw Length	Approx. Weight
1611-20	.20"	.40"	4,500 lbs.	4-3/16"	3 lbs.
1611-30	.31"	.53"	4,500 lbs.	4-3/4"	3.75 lbs.
1611-40	.53"	.74"	8,000 lbs.	5-11/16"	7.75 lbs.
1611-50	.78"	.88"	8,000 lbs.	5-11/16"	7.75 lbs.

- WARNING:**
- Grips are to be used for temporary installation, not for permanent anchorage.
  - Do not exceed rated capacity.
  - Before each use, clean jaw area and inspect grip for proper operation to avoid slippage.
  - When used on or near energized lines, ground, insulate or isolate grip before pulling.

## WIRE PULLING GRIPS



**1684-5AT**

### Chicago Grips - Bell-System Type Grips

The 1684-5AT is identical to the Bell-System type "L" strand puller and the 1628-16AT is identical to the "H" strand puller. Equipped with chain, toggle and shackle. The Double "V" jaws assure proper alignment of the wire and jaws.



**1659-5AT**

The 1659-5AT grip is similar to the Bell-System type "B" strand puller. The serpentine grooves provide excellent grip on strand preventing slippage. The round jaws provide maximum gripping power and reduced conductor damage.

Part #	*Minimum Cable	*Maximum Cable	Maximum Safe Load	Jaw Length	Approx. Weight
<b>1684-5AT</b>	.218"	.55"	8,000 lbs.	5"	6.90 lbs.
<b>1628-16AT</b>	.31"	.62"	15,000 lbs.	7-1/4"	15.80 lbs.
<b>1692-5AT</b>	.218"	.55"	8,000 lbs.	5"	6.60 lbs.
<b>1659-5AT</b>	.20"	.37"	5,000 lbs.	5"	6.70 lbs.



### Chicago Grips - Curved-Jaw for EHS Cable

When pulling extra-high strength galvanized-steel cable, the galvanizing has a tendency to coat the jaws of any grip, causing the cable to slip. To reduce the possibility of slippage and damage to the cable, the jaws of this grip are milled on a curve with a double "V" contour.

Part #	*Minimum Cable	*Maximum Cable	Maximum Safe Load	Jaw Length	Approx. Weight
<b>1684-74</b>	.218"	.55"	8,000 lbs.	5"	6.30 lbs.
<b>S1684-74H *</b>	.218"	.55"	8,000 lbs.	5"	6.50 lbs.

\* Hot-Line Latch and spring.



## WIRE PULLING GRIPS

### Chicago Grips for Extra-High Strength Cables, Messenger, Guy Strand & Conductors

The Double "V" grooves give four-point contact, reducing the chance of slipping and providing proper alignment of wire and cable. The hot-line latch closes automatically to prevent the grip from disengaging from the wire.



Part #	*Minimum Cable	*Maximum Cable	Maximum Safe Load	Jaw Length	Approx. Weight
<b>1613-40 **</b>	.12"	.37"	4,500 lbs.	4-3/16"	3 lbs.
<b>1684-5 **</b>	.218"	.55"	8,000 lbs.	5"	6.25 lbs.
<b>1692-5</b>	.218"	.55"	8,000 lbs.	5"	6.40 lbs.
<b>1684-5F *</b>	.16"	.55"	8,000 lbs.	5"	6.25 lbs.
<b>1628-16</b>	.31"	.62"	15,000 lbs.	7-1/4"	15.30 lbs.
<b>1628-17</b>	.50"	.75"	15,000 lbs.	7-1/4"	16. lbs.
<b>1628-18</b>	.75"	1.00"	15,000 lbs.	7-1/4"	15.70 lbs.

\* Similar to the 1684-5 but with a file inserted in the jaw for extra gripping power.

Replacement file part # 578. Replacement screws part # 573.

\*\* Available with Hot-Line Latch. Add "H" to the end of the part number.

### Chicago Grips for PVC-Covered Conductors

The serpentine jaws are specially machined to accept insulated conductor through the jaws reducing the danger of slippage which may result in insulation damage and also eliminates the necessity of stripping the insulation.



Part #	*Minimum Cable	*Maximum Cable	Maximum Safe Load	Jaw Length	Approx. Weight
<b>1659-20</b>	.20"	.42"	4,500 lbs.	4-3/16"	3 lbs.
<b>1659-30</b>	.31"	.50"	4,500 lbs.	4-3/4"	3.75 lbs.
<b>1659-40</b>	.49"	.79"	8,000 lbs.	5-11/16"	7.75 lbs.
<b>1659-50</b>	.79"	1.01"	8,000 lbs.	5-11/16"	7.75 lbs.

- WARNING:**
- Grips are to be used for temporary installation, not for permanent anchorage.
  - Do not exceed rated capacity.
  - Before each use, clean jaw area and inspect grip for proper operation to avoid slippage.
  - When used on or near energized lines, ground, insulate or isolate grip before pulling.

# WIRE PULLING GRIPS



## Parallel-Jaw Grips

A longer jaw achieves a firm hold preventing slippage and damage to the cable. The latch helps to hold the cable position in the grip jaws. All have the double "V" jaws. Models 1686-20 & 1672-10 have knurled jaws.

Part #	*Miniumum Cable	*Maximum Cable	Maximum Safe Load	Jaw Length	Approx. Weight
1686-10	.20"	.40"	10,000 lbs.	4-3/8"	5 lbs.
1686-20	.20"	.40"	4,500 lbs.	4-3/8"	5 lbs.
1671-10	.37"	.75"	8,000 lbs.	4-3/8"	5 lbs.
1672-10	.37"	.75"	8,000 lbs.	4-3/8"	5 lbs.



## Parallel-Jaw Grips

These lightweight and compact grips pull a wide range of cable sizes and types. The bottom jaw is serrated to firmly grip insulated cables and conductors. It's uniques design includes a latch which prevents the grip from becoming disengaged from the cable.

Part #	*Miniumum Cable	*Maximum Cable	Maximum Safe Load	Jaw Length	Approx. Weight
1685-20	.157"	.886"	4,500 lbs.	2.50"	3 lbs.
1685-31	.625"	1.250"	7,500 lbs.	4.50"	5 lbs.

## 25450

### Grip-Cleaning Brush Set

Set of four wire-bristle brushes for cleaning wire grips. 2 round and 2 square brushes on semiflexible steel shafts.



Description	Size	Length
Round Bristle	3/8" x 3"	12"
Square Bristle	3/8" x 3"	12"
Round Bristle	1-9/16" x 5"	14"
Square Bristle	1-9/16" x 5"	14"

- WARNING:**
- Grips are to be used for temporary installation, not for permanent anchorage.
  - Do not exceed rated capacity.
  - Before each use, clean jaw area and inspect grip for proper operation to avoid slippage.
  - When used on or near energized lines, ground, insulate or isolate grip before pulling.

## WIRE PULLING GRIPS

### Wide Range Parallel-Jaw Grips

Designed to accommodate a wider range of wire so that multiple grips are not required for multiple wire sizes.

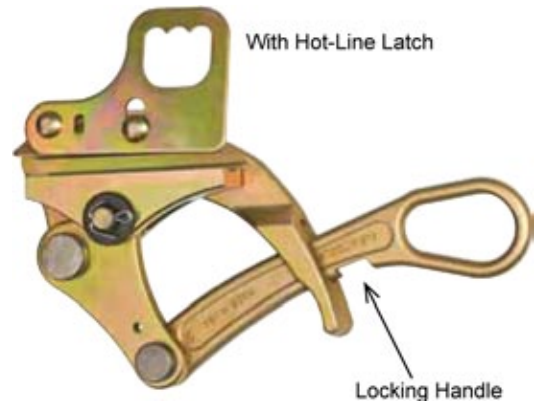


### Spring Loaded Grips

Part #	*Minimum Cable	*Maximum Cable	Maximum Safe Load	Jaw Length	Approx. Weight
KT4500	.180"	.600"	5,000 lbs.	3"	3.75 lbs.
KT4600	.300"	.800"	10,000 lbs.	5"	7 lbs.

### Spring Loaded Grips with Hot Latch & Locking Handle

Part #	*Minimum Cable	*Maximum Cable	Maximum Safe Load	Jaw Length	Approx. Weight
KT4501	.180"	.600"	5,000 lbs.	3"	3.75 lbs.
KT4601	.300"	.800"	10,000 lbs.	5"	7 lbs.



### Spring Loaded Grips with Hot Latch

Part #	*Minimum Cable	*Maximum Cable	Maximum Safe Load	Jaw Length	Approx. Weight
KT4502	.180"	.600"	5,000 lbs.	3"	3.75 lbs.
KT4602	.300"	.800"	10,000 lbs.	5"	7 lbs.

### Haven's Grips

Designed for use when a light compact grip is desired and where conductor damage is not a concern. Model # 1604-20L and the 1625 series have a swing latch to hold the grip on the cable.



Part #	*Minimum Cable	*Maximum Cable	Maximum Safe Load	Approx. Weight
1604-10	.06"	.25"	2,500 lbs.	1 lb.
1604-20	.125"	.50"	5,000 lbs.	2.0 lbs.
1604-20L	.125"	.50"	5,000 lbs.	2.0 lbs.
1625-20	.28"	.75" Wire Rope	8,000 lbs.	4 lbs.
1625-20 7/8	.38"	.88" Wire Rope	8,000 lbs.	4 lbs.
1625-20 1	.50"	1" Wire Rope	8,000 lbs.	4 lbs.



## WIRE PULLING GRIPS

LMG2000



LMG4500

Notched  
Handle

LMG4501



LMG4900



All models are rated for a variety of wire sizes and types, so fewer grip changes are required. The notched handle locks the grip in the open position for placement on or removal from wire, then releases instantly. The spring loaded models allow a lineman to use a holding stick to open the gate and place the grip on the wire. When released, the gate closes and prevents the grip from falling off the wire.

Part #	*Minimum	*Maximum	Maximum	Approx.
	Cable	Cable	Safe Load	Weight
LMG1000 **	.04"	.394"	1,000 lbs.	1/2 lb.
LMG2000 **	.109"	.594"	2,000 lbs.	1 lb.
LMG4500	.18"	.60"	5,000 lbs.	3-1/4 lbs.
LMG4600	.30"	.80"	10,000 lbs.	4-1/2 lbs.
LMG4800	.70"	1.25"	12,000 lbs.	8 lbs.
LMG4700	.70"	1.25"	20,000 lbs.	21 lbs.
LMG4900***	1.24" Aluminum	1.8" Aluminum	20,000 lbs.	26 lbs.

\*\* LMG1000 & LMG2000 both have bulldog-type jaws. All other models have parallel jaws.

\*\*\* LMG4900 should be used on aluminum conductor only

### Hot Line Grips - Spring Loaded & Notched Handle

Part #	*Minimum	*Maximum	Maximum	Approx.
	Cable	Cable	Safe Load	Weight
LMG4501	.18"	.60"	5,000 lbs.	3-1/4 lbs.
LMG4601	.30"	.80"	10,000 lbs.	4-1/2 lbs.
LMG4801	.70"	1.25"	12,000 lbs.	8 lbs.
LMG4701	.70"	1.25"	20,000 lbs.	21 lbs.

Hot Line Grips are also available without springs or notched handles. Most grips are available with aggressive or fine teeth.

## WIRE PULLING GRIPS

### Wedge-Type Grips

The exclusive wedge-grip action provides a positive, tight grip on the conductor for a non-kinking, in-line pull. When installed, the safety latch drops over the conductor slot to keep the grip on the conductor.

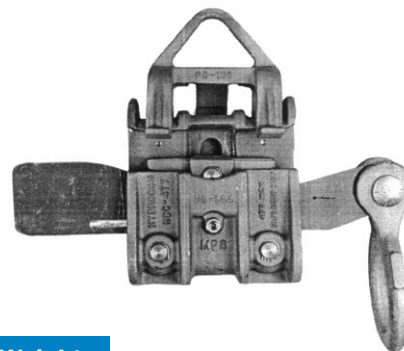
1833-3



Part # Left Hand	Part # Right Hand	Minimum Cable	Maximum Cable	Capacity
<b>16847</b>	<b>16847-1</b>	.128"	.292"	2,000 lbs.
<b>1833-2</b>	<b>1833-3</b>	.128"	.563"	6,000 lbs.
<b>1833-4</b>	<b>1833-5</b>	.258"	1.050"	5,500 lbs.
<b>1833-22</b>	<b>1833-21</b>	.258"	1.126"	5,500 lbs.

### HCC477 Come-A-Long Grips

- Used in-line for pulling of power cables
- Safety lock that keeps the come-a-long on the conductor
- Floating keeper for better alignment on conductor
- Slide bar is locked when safety lock is up and in use
- Hardened steel rollers for smooth operation
- Can be installed with an operating stick
- Easy to operate



Part #	Description	Conductor Range	Max Work Load (lbs.)	Weight (lbs.)
<b>HCC-477L</b>	Left	125 5 #4-477 ACSR (0.25-0.81)	4,500 lbs.	3.8 lbs.
<b>HCC-477R</b>	Right	125 5 #4-477 ACSR (0.25-0.81)	4,500 lbs.	65 lbs.

### Bolted-Grips (Pocketbook Style)

The body is a lightweight heat treated aluminum. Recommended for high voltage conductors. These grips are custom-bored to a specific conductor. Specify conductor type and diameter when ordering.

LH62-6



Part #	Number of Bolts	Maximum Cable Dia.	Capacity (ACSR)	Capacity (ACSS)	Weight
<b>LH62-6</b>	6	1-1/4"	12,000 lbs.	9,000 lbs.	22 lbs.
<b>LH62-8</b>	8	2-1/2"	20,000 lbs.	15,000 lbs.	65 lbs.
<b>LH62-16</b>	16	2-1/2"	40,000 lbs.	30,000 lbs.	125 lbs.



## WIRE MESH PULLING GRIPS

These grips are designed for pulling ACSR, bare aluminum or copper conductors, ground wires, messenger strands, wire ropes and insulated cables.



### Multiple Strength Grips - Flexible Eye

Part #	Approx. Break Strength **	Cable Dia. Range	Eye Dia. & Length	Mesh Length	Colour
<b>033-02-044</b>	6,800 lbs.	.25" - .49"	1/4" x 9"	26"	Dark Green
<b>033-02-046</b>	10,000 lbs.	.50" - .74"	5/16" x 9"	32"	Brown
<b>033-02-048</b>	14,400 lbs.	.75" - .99"	3/8" x 11"	41"	Light Blue
<b>033-02-050</b>	24,600 lbs.	1.00" - 1.24"	1/2" x 12"	52"	Gold
<b>033-02-052</b>	30,600 lbs.	1.25" - 1.49"	1/2" x 12"	56"	Black
<b>033-02-054</b>	30,600 lbs.	1.50" - 1.74"	1/2" x 12"	60"	Red
<b>033-02-056</b>	48,000 lbs.	1.75" - 2.24"	5/8" x 18"	70"	Dark Blue
<b>033-02-1078</b>	48,000 lbs.	2.00" - 2.49"	5/8" x 18"	50"	Yellow
<b>033-02-1079</b>	48,000 lbs.	2.50" - 2.99"	5/8" x 18"	52"	Orange
<b>033-02-1080</b>	48,000 lbs.	3.00" - 3.49"	5/8" x 18"	54"	Aluminum
<b>033-02-1081</b>	48,000 lbs.	3.50" - 3.99"	5/8" x 18"	58"	Light Green



### Multiple Strength Grips - Rotating Eye

Part #	Approx. Break Strength **	Cable Dia. Range	Eye Dia. & Length	Mesh Length	Colour
<b>033-02-016</b>	6,800 lbs.	.25" - .49"	7/8" x 5"	26"	Dark Green
<b>033-02-018</b>	10,000 lbs.	.50" - .74"	1" x 6"	32"	Brown
<b>033-02-020</b>	14,400 lbs.	.75" - .99"	1" x 6"	41"	Light Blue
<b>033-02-022</b>	24,600 lbs.	1.00" - 1.24"	1-3/8" x 8"	52"	Gold
<b>033-02-024</b>	30,600 lbs.	1.25" - 1.49"	1-5/8" x 8"	56"	Black
<b>033-02-026</b>	30,600 lbs.	1.50" - 1.74"	1-7/8" x 9"	60"	Red
<b>033-02-028</b>	48,000 lbs.	1.75" - 2.24"	1-7/8" x 10"	70"	Dark Blue
<b>033-02-066</b>	48,000 lbs.	2.00" - 2.49"	1-7/8" x 10"	50"	Yellow
<b>033-02-097</b>	48,000 lbs.	2.50" - 2.99"	1-7/8" x 10"	52"	Orange
<b>033-02-1030</b>	48,000 lbs.	3.00" - 3.49"	1-7/8" x 10"	54"	Aluminum
<b>033-02-1031</b>	48,000 lbs.	3.50" - 3.99"	1-7/8" x 10"	58"	Light Green

\*\* The Maximum Recommended Load is 20% of the Approximate Breaking Strength based on a 5:1 safety factor.



## WIRE MESH PULLING GRIPS

Designed for overhead transmission line stringing applications, these are the highest strength grips available. They have the dual function of working with both bare and insulated conductors and synthetic rope.



### Dua-Pull Grips - Flexible Eye

Part #	Approx. Break Strength **	Cable Dia. Range	Rope Dia. Range *	Eye Dia. & Length	Mesh Length	Colour
<b>033-27-1037</b>	6,500 lbs.	.19" - .37"	.25" x .65"	.22" x 10"	24"	Black
<b>033-27-1038</b>	14,000 lbs.	.38" - .62"	.50" x .90"	.375" x 12"	36"	Dark Green
<b>033-27-1039</b>	20,000 lbs.	.63" - .87"	.75" x 1.10"	.437" x 13"	48"	Red
<b>033-27-1040</b>	30,600 lbs.	.88" - 1.12"	1.00" x 1.50"	.500" x 15"	60"	Dark Blue
<b>033-27-1041</b>	46,800 lbs.	1.13" - 1.37"	1.25" x 1.70"	.625" x 18"	76"	Yellow
<b>033-27-1042</b>	66,500 lbs.	1.38" - 1.90"	1.50" x 2.10"	.750" x 24"	89"	Aluminum

\* For rope, select the smallest size grip which meets the required working load.

\*\* The Maximum Recommended Load is 20% of the Approximate Breaking Strength based on a 5:1 safety factor.



### Dua-Pull Feed Tubes

Part #	Rope Diameter	Length	For Use with Grip #
<b>091-06-1043</b>	.25" - .65"	28"	033-27-1037
<b>091-06-1044</b>	.50" - .90"	40"	033-27-1038
<b>091-06-1045</b>	.75" - 1.10"	52"	033-27-1039
<b>091-06-1046</b>	1.00" - 1.50"	67"	033-27-1040
<b>091-06-1047</b>	1.25" - 1.70"	83"	033-27-1041
<b>091-06-1048</b>	1.50" - 2.10"	96"	033-27-1042

Full lines of support grips and strain relief grips are available as well as grips for low tension pulling and fiber optics.

## WIRE MESH PULLING GRIPS



### Multi Weave Grips - Flexible Eye

These grips are used primarily for pulling aluminum conductor and the triple weave construction is ideal for heavy loads.

Part #	Approx. Break Strength **	Cable Dia. Range	Mesh Length	Colour
ZCS1710	7,000 lbs.	.25" - .50"	31"	Dark Green
ZCS1711	10,500 lbs.	.50" - .75"	45"	Brown
ZCS1712	14,100 lbs.	.75" - 1.00"	43"	Light Blue
ZCS1713	25,000 lbs.	1.00" - 1.25"	65"	Gold
ZCS1714	31,000 lbs.	1.25" - 1.50"	59"	Black
ZCS1715	31,000 lbs.	1.50" - 1.75"	82"	Red
ZCS1716	49,000 lbs.	1.75" - 2.25"	82"	Dark Blue
ZCS1750	49,000 lbs.	2.00" - 2.50"	72"	Yellow
ZCS1751	49,000 lbs.	2.50" - 3.00"	72"	Orange
ZCS1752	49,000 lbs.	3.00" - 3.50"	74"	Aluminum
ZCS1753	49,000 lbs.	3.50" - 4.00"	76"	Light Green



### High Strength Grips - Flexible Eye

Used for pulling either aluminum conductor or synthetic rope, this is the strongest type of grip. Feed tubes listed below are for inserting rope into the grips.

Part #	Approx. Break Strength **	Cable Dia. Range	Rope Dia. Range	Mesh Length	Colour
ZCS1799	7,000 lbs.	.19 - .40"	.25" - .65"	28"	Black
ZCS1800	14,000 lbs.	.40" - .63"	.50" - .90"	41"	Dark Green
ZCS1801	20,000 lbs.	.63" - .88"	.75" - 1.10"	58"	Red
ZCS1802	30,700 lbs.	.88" - 1.13"	1.00 - 1.50"	68"	Dark Blue
ZCS1803	47,000 lbs.	1.13" - 1.38"	1.25" - 1.70"	90"	Yellow
ZCS1804	65,000 lbs.	1.38" - 1.92"	1.50" - 2.10"	96"	Aluminum

### Feed Tubes

Part #	Rope Diameter	Length	For Use With Grip #	Colour
FTU1890	.25" - .65"	28"	ZCS1799	Black
FTU1891	.50" - .90"	40"	ZCS1800	Dark Green
FTU1892	.75" - 1.10"	52"	ZCS1801	Red
FTU1893	1.10" - 1.50"	67"	ZCS1802	Dark Blue
FTU1894	1.25" - 1.70"	83"	ZCS1803	Yellow
FTU1895	1.50" - 2.10"	96"	ZCS1804	Aluminum

\*\* The Application Load is 20% of the Approximate Breaking Strength based on a 5:1 safety factor.

## WIRE MESH GRIPS & LINE SWIVELS

### Multi Weave Grips - Revolving Eye

The revolving eye is an alternative to the flexible wire rope eye and is designed for heavy duty applications.

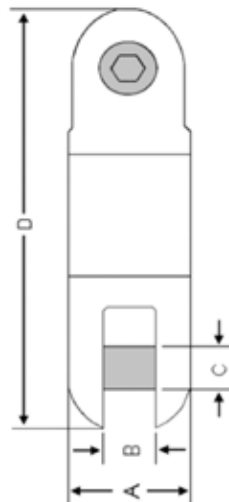


Part #	Approx. Break Strength **	Cable Dia. Range	Mesh Length	Colour
ZCS2177	7,000 lbs.	.25" - .50"	31"	Dark Green
ZCS2178	10,500 lbs.	.50" - .75"	45"	Brown
ZCS2179	14,100 lbs.	.75" - 1.00"	43"	Light Blue
ZCS2180	25,000 lbs.	1.00" - 1.25"	65"	Gold
ZCS2181	31,000 lbs.	1.25" - 1.50"	59"	Black
ZCS2182	31,000 lbs.	1.50" - 1.75"	82"	Red
ZCS2183	49,000 lbs.	1.75" - 2.25"	82"	Dark Blue
ZCS2779	49,000 lbs.	2.00" - 2.50"	72"	Yellow
ZCS2780	49,000 lbs.	2.50" - 3.00"	72"	Orange
ZCS2781	49,000 lbs.	3.00" - 3.50"	74"	Aluminum
ZCS2782	49,000 lbs.	3.50" - 4.00"	76"	Light Green

\*\* The Application Load is 20% of the Approximate Breaking Strength based on a 5:1 safety factor.



Constructed from high grade stainless steel and the highest quality bearings available, these swivels are designed to easily pass through sheaves but should never go around bull wheels. All swivels come with a set of hex pins and a set of slotted pins and are stamped with a manufacturing lot number for traceability.



Part #	Approx. Break Strength **	Ultimate Breaking Strength	A	B	C	D	Weight
ZSW2091	2,250 lbs.	6,750 lbs.	7/8"	3/8"	5/16"	3-3/8"	.37 lbs
ZSW2092	3,500 lbs.	10,500 lbs.	1"	7/16"	3/8"	4"	.50 lbs.
ZSW2093	5,000 lbs.	15,000 lbs.	1-1/4"	9/16"	3/8"	4-15/16"	1 lbs.
ZSW2094	7,000 lbs.	21,000 lbs.	1-3/8"	9/16"	1/2"	5-3/16"	1.5 lbs.
ZSW2096	10,000 lbs.	30,000 lbs.	1-25/32"	45/64"	5/8"	6-3/16"	2.9 lbs.
ZSW2097	15,000 lbs.	45,000 lbs.	2-3/32"	25/32"	23/32"	7-5/16"	4.75 lbs.

\* Safety Factor of 3:1

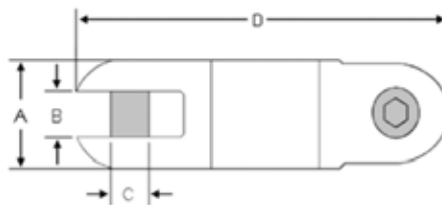
Line swivels are not designed to run around bull wheels. Severe damage or injury may occur.



## LINE SWIVELS & CONNECTORS



Constructed with a thrust bearing for tensile load and a radial bearing for bending load. All sizes incorporate an oil seal and are made of stainless steel.



Part #	Safe Working Load	A	B	C	D	Weight
<b>00505-010</b>	2,250 lbs.	7/8"	3/8"	5/16"	3-3/8"	.34 lbs
<b>00505-020</b>	5,000 lbs.	1-1/4"	17/32"	13/32"	4-3/4"	1.00 lbs.
<b>00505-025</b>	7,000 lbs.	1-3/8"	9/16"	1/2"	5-1/8"	1.40 lbs.
<b>00505-030</b>	10,000 lbs.	1-5/8"	11/16"	5/8"	6"	2.10 lbs.
<b>00505-035</b>	15,000 lbs.	2"	25/32"	11/16"	7"	3.80 lbs.
<b>00505-040</b>	30,000 lbs.	2-3/8"	1-1/32"	7/8"	10"	7.60 lbs.

\* Safety Factor of 3:1

Line swivels are not designed to run around bull wheels. Severe damage or injury may occur.



### Rope to Swivel Connectors

Used to connect pulling rope to above swivels. Both models have a maximum rope capacity of 7/8".

Part #	Safe Working Load*	Dia.	Length	Tongue
<b>00522-025</b>	7,000 lbs.	2"	5-5/16"	1/2"
<b>00522-035</b>	15,000 lbs.	2"	5-3/8"	21/32"



### Non-Rotating Connectors

Commonly used to connect mesh grips to the pulling wire. The 2 smaller sizes have slotted pins while the larger sizes have hexagon pins.

Part #	Safe Working Load*	Dia.	Length	Tongue
<b>00520-010</b>	2,500 lbs.	7/8"	2-1/8"	3/8"
<b>00520-020</b>	5,000 lbs.	1-1/4"	2-7/8"	17/32"
<b>00520-027</b>	9,000 lbs.	1-1/2"	3-3/8"	19/32"
<b>00520-035</b>	15,000 lbs.	2"	4-9/16"	25/32"

\* Safety Factor of 3:1



### 00521-035 Rope to Rope Connector

Maximum rope diameter 7/8".  
Safe working load 15,000 lbs.  
2" diameter by 5-1/2" length.

## CLAMPS & BANDING



### CPC2875 Banding Tool

Band punching tool for 5/8" punch type clamps.  
Includes adapter for 3/8" bands.



### Pre-Formed Galvanized Punch Type Clamps

Part #	Inside Diameter	Band Width	Clamps Per Carton
<b>P-3</b>	13/16"	3/8"	100
<b>P-4</b>	1"	5/8"	100
<b>P-6</b>	1-1/2"	5/8"	100
<b>P-8</b>	2"	5/8"	100



### P-38 Clamp-Master Tool Set

A handy, low cost tool set for applying both  
3/8" and 5/8" punch type clamps.

### Open-End Galvanized Punch Type Clamps

Part #	Inside Diameter	Band Width	Clamps Per Carton
<b>PO-3</b>	13/16"	3/8"	100
<b>PO-311</b>	1-3/8"	3/8"	100
<b>PO-8</b>	2"	5/8"	100
<b>PO-10</b>	2-1/2"	5/8"	50
<b>PO-12</b>	3"	5/8"	50



### Standard-Duty Steel Banding

Part #	Band Width	Band Thickness
<b>PB-203</b>	3/8"	.025"
<b>PB-204</b>	1/2"	.030"
<b>PB-205</b>	5/8"	.030"
<b>PB-206</b>	3/4"	.030"

Light & heavy duty banding &  
buckles are available.



### Standard-Duty Buckles

Part #	Width	Buckles Per Carton
<b>PB-203</b>	3/8"	100
<b>PB-204</b>	1/2"	100
<b>PB-205</b>	5/8"	100
<b>PB-206</b>	3/4"	100



### PB-001 Banding Tool

Tensioning tool for steel banding  
and buckle application.



## SYNTHETIC ROPE

Part #	Diameter	Minimum Tensile (lbs)
<b>SAM-860</b>	3/8"	2,700
<b>SAM-880</b>	1/2"	4,400
<b>SAM-900</b>	5/8"	6,100
<b>SAM-920</b>	3/4"	8,400
<b>SAM-940</b>	7-8"	11,125
<b>SAM-960</b>	1"	13,175



### Duraplex Rope

12-strand single braid, the composite strands are braided together using parallax construction to produce a rope with an excellent strength-to-weight ratio.

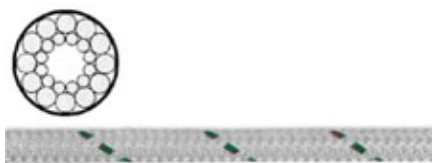
Part #	Diameter	Minimum Tensile (lbs)
	3/8"	2,430
	1/2"	3,780
	5/8"	5,580
	3/4"	7,650
	7-8"	10,350
	1"	12,825



### Polypropylene Rope

A general purpose rope made of monofilament polypropylene fiber. Lightweight and bouyant, it has good abrasion and UV resistance.

Part #	Diameter	Minimum Tensile (lbs)
<b>SAM-500</b>	3/8"	2,700
<b>SAM-520</b>	1/2"	4,400
<b>SAM-540</b>	5/8"	6,100
<b>SAM-560</b>	3/4"	8,400
<b>SAM-580</b>	7-8"	11,125
<b>SAM-600</b>	1"	13,175



### Dual Braid Polyester Rope

This premium double braided rope with high strength and low stretch is ideal for line stringing and winch lines. Made of 100% high tenacity multifilament polyester. Spliceable using the buried, braid on braid procedure.

Part #	Diameter	Minimum Tensile (lbs)
<b>SAM-826</b>	3/8"	2,700
<b>SAM-880</b>	1/2"	4,400
<b>SAM-900</b>	5/8"	6,100
<b>SAM-920</b>	3/4"	8,400
<b>SAM-940</b>	7-8"	11,125
<b>SAM-960</b>	1"	13,175



### Tenex Rope

A polyester single braided rope used for line stringing applications. Excellent abrasion and chemical resistance. Colors available: White, black, yellow, red, orange, blue & green

Part #	Diameter	Minimum Tensile (lbs)
	3/8"	2,700
	1/2"	4,400
	5/8"	6,100
	3/4"	8,400
	7-8"	11,125
	1"	13,175



### Hy-Dee Brait Dielectric Rope

The highest dielectric-strength rope available. A special treatment helps the rope retain its dielectric properties even when it becomes wet. Easily spliced, it is excellent for hand lines. Caution: Absorbed moisture will increase conductivity.

## LIFTY BOARD



**LIFTY BOARD™** device aids in the efficiency and safety with regard to maintenance work on open wire secondary and triplex (bundling). **LIFTY BOARD™** device is especially useful when replacing utility poles.

**LIFTY BOARD™** device has been implemented in real life testing since June, 2012. **LIFTY BOARD™** device has been Di Electrically Tested by Powertech Labs to withstand 46KV. LIFTY Technologies Inc has been working with RS Line to establish a proper safety standard for real life testing. RS Line is a well renowned independent line company based in Western Canada and provides services throughout the world.



**LIFTY BOARD™** device is **PATENT PENDING** tool that aids in the **EFFICIENCY AND SAFETY** with regard to maintenance work on open wire secondary and triplex (bundling). **LIFTY BOARD™** device is especially useful when **REPLACING UTILITY POLES**.

- Safe working load of 5 times the intended use.
- Can be used in temperatures as low as -50 degrees.
- Di electrically calculated to withstand 160,000 volts. This is over 6 times the normal maximum operating conditions.

Dimensions: 6"W x 24"L x 3/4"D  
Weight: 2.12kg or 4.68 pounds

**LIFTY BOARD™**  
**HAS A SAFE WORKING**  
**LOAD OF 5 TIMES THE**  
**INTENDED USE**

### LIFTY BOARD™ device collects and carries all 3 conductors at one time

- **LIFTY BOARD™** device eliminates the need to carry each wire individually during pole replacement or general repair work
- Only one crew member required in bucket – this frees up an additional crew member to work on other tasks
- **LIFTY BOARD™** device saves approximately 15 minutes to 1 hour per utility pole replacement; this is half the amount of time that it normally takes.\*
- In most circumstances, it is not necessary to de energize conductors therefore no need to alert consumers of power outages
- **LIFTY BOARD™** device can hold & raise open wire secondary AND midspans as a unit, without service interruptions



### LIFTY BOARD™ device saves half the amount of time.

Reduces Insurance and WCB Claims.

This translates into direct savings because it increases efficiency and minimizes the lifting and handling of 3 conductors associated with Open Wire Secondary.



### LIFTY BOARD™ device minimizes direct contact with live wires carrying secondary distribution voltage (240 volts) with potential risk of primary voltage of up to 25,000 volts.

Reduces heavy strain by having LIFTY BOARD™ device carry the weight of each wire for your linemen.





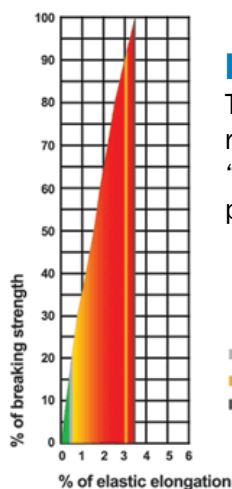
## SYNTHETIC ROPE

### Unitrex XS Max Wear

Unitrex XS Max Wear is Uniline's high tech cousin, which is a parallel cored rope of Honeywell's Spectra, wrapped with a Neoprene tape and over braided with a tough jacket of high tenacity polyester. The result is a synthetic cable, somewhat stiffer than your usual rope, which is much like wire in its stretch characteristics. Unlike wire it is much lighter and easily handled. Due to its toughness we are comfortable assigning it a higher working load rating which is 25% of its breaking strength. Unitrex XS Max Wear has high strength retention in service which is supported by field studies and our long standing track record with Uniline polyester. Unitrex's tough rubber layer protects its high modulus Spectra core and the outer jacket is saturated with Urethane making it the toughest UHMPE rope you can buy. All Linestar's parallel core ropes are torque free, with bonded cores preventing contamination of the internal strength member. Unitrex XS can be quickly terminated and/ or joined with a TechEye™ or TechJoin™



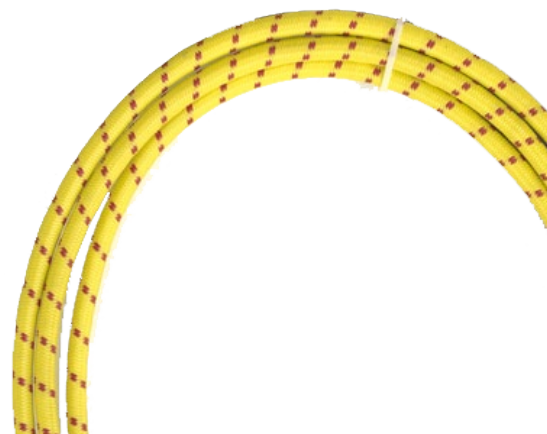
Diameter		Average Spliced Break Strength		Minimum Spliced Break Strength		Maximum Working Load 4:1		Weight	
Inches	mm	Lbs.	Kg.	Lbs.	Kg.	Lbs.	Kg.	100ft.	100m
0.44	(11)	20,000	9,080	18,000	8,170	5,000	2,270	6.7	10.0
0.53	(14)	26,000	11,800	23,400	10,620	6,500	2,950	9.2	13.7
0.58	(15)	34,000	15,435	30,600	13,890	8,500	3,855	11.4	17
0.63	(16)	42,500	19,295	38,250	17,365	10,625	4,820	13.5	20.1
0.71	(18)	50,500	22,925	45,450	20,630	12,625	5,730	16.9	25.2
0.84	(21)	73,500	33,365	66,150	30,030	18,375	8,340	24.2	36.0
1.00	(25)	100,000	45,400	90,000	40,860	25,000	11,350	32.4	48.2
1.15	(29)	125,000	56,750	112,500	51,075	31,250	14,185	42.4	63.1
1.25	(32)	158,000	71,730	142,200	64,555	39,500	17,930	52.5	78.2
1.42	(36)	195,000	88,530	175,500	79,675	48,750	22,130	64.4	96.6
1.75	(45)	264,000	119,855	237,600	107,870	66,000	29,960	92.6	137.9
1.94	(49)	310,000	140,740	279,000	126,665	77,500	35,185	98.8	147.1
1.99	(51)	360,000	163,440	324,000	147,095	90,000	40,860	113.3	168.7
2.20	(56)	430,000	195,220	387,000	175,695	107,500	48,805	144.0	214.4



### Energy Absorption

The coloured area under the curve represents the rope's ability to do "work" and is expressed in foot-pounds per pound of rope in tension.

- Maximum Working Load
- Minimum Break Strength
- Average Break Strength



## UNIVERSAL STRINGING BLOCKS

A high-strength alloy frame gives these blocks a 2,500 lb safe working load. The throat opening is 3-3/4" high and 3-1/8" wide. The 3" wide by 7" diameter sheaves run on heavy duty shielded ball bearings. The blocks can be mounted to a crossarm an insulator bracket or suspended. Blocks with aluminum sheaves weigh 8-1/2 lbs. Blocks with ductile iron sheaves weigh 15-1/2 lbs.

### CB-1 Universal Stringing Block with Aluminum Sheave

The spring loaded latch on the gate can be operated with a hot stick. The gate is held open by placing the ring on to the holding hook. When the ring is released, the heavy duty spring positively locks the gate closed.

\* Crossarm Brackets sold separately



#### Aluminum

General Purpose For Most Stringing Applications.



#### Urethane Lined

For Aluminum Wire, OPGW & Fiber Optic Cable.



#### 1A-2A

#### Insulator Bracket

For mounting blocks to tie-top post insulators at differing angles. The rubber covered brackets firmly grip and adjust to different size insulators.



#### XA-1 Crossarm Bracket

Fits crossarms up to 4-1/2" x 5-1/2".



#### YBC30

Y-Ball Clevis



## UNIVERSAL STRINGING BLOCKS



### XS-100B Blocks

Universal Distribution Stringing Block  
Single-Conductor Capacity

- High strength, low weight.
- Urethane, neoprene, polished-groove, nylatron, or ductile-iron sheaves.
- 2,500 lb. maximum working load.
- Positive locking handle (a secure spring-loaded latch and large-ID pull-loop) on the side-gate assembly for easy conductor clip-in and for hotstick operations.
- High-efficiency, low-friction.
- Forever Warranty™



### XS-200B Blocks

Universal Distribution Stringing Block  
Single-Conductor Capacity

- 2-sheave design.
- May be suspended or bracket-mounted to cross-arms up to 5 in. x 6 in.
- Urethane- or Neoprene-lined, or polished-groove, Nylatron, or ductile-iron sheaves.
- 2,500 lb. maximum working load.
- High-efficiency, low-friction.
- Forever Warranty™



### XS-707 Blocks

Universal Distribution Stringing Block  
Single-Conductor Capacity

- 8 in. and 10 in. sheaves.
- 2,500 lb. and 3,000 lb. max. working load, respectively.
- Polished-groove and urethane-lined sheaves.
- May be clamp-mounted or mounted using chain tightners.
- Matching 3-conductor RB-707-3 and RB-703-4 Running Boards available.
- Available with Fastrap™ Cross Arm Bracket
- Forever Warranty™



### Fastrap™ Universal Cross-Arm Bracket

For Quickly Mounting XS-100B Blocks to Cross-Arms Single-Block Capacity

- Requires less than half the time to mount/dismount compared to ordinary brackets.
- No tools needed to mount or dismount.
- Compatible with nearly all distribution-type blocks.
- One model fits all cross-arm sizes
- Highest holding force, without damage, regardless of materials
- Forever Warranty™



### 9511 Blocks

Distribution Block

- Ideal for use with Transformer Gin.
- Sizes range from 5" to 12"
- Full frame, straight yoke & swivel safety hook.
- Forever Warranty™





## STRINGING BLOCKS



### 73 Series

#### Single Conductor Blocks

Ideal choice for reconductoring mid-size diameter conductor, especially when old conductor is used to pull in new conductor. In addition to being available with 10", 12", 14", and 16" (OD) sheaves, they have an extralarge throat, and do not have a conductor guard. This design permits easy passage of connections between conductors and pulling lines, compression joints, swivels, and/or splices in the pulling line.



### 74 Series

#### Single Conductor Blocks

Ideal choice for stringing large-diameter transmission-class conductor. These blocks are available with 10", 12", 14", and 16" (OD) sheaves, and they are light-weight, yet exceptionally rugged, reliable, and durable. Their low-friction bearings render high block efficiency, which helps to maximize stringing distances while minimizing pulling tensions and reducing loads on stringing equipment.



### 78 Series

#### Single Conductor Blocks

Ideal choice for stringing large-diameter transmission-class conductor. These blocks are available with 20", 22", 28", 35", and 42" (OD) sheaves, and they are light-weight, yet exceptionally rugged, reliable, and durable. Their low-friction bearings render high block efficiency, which helps to maximize stringing distances while minimizing pulling tensions and reducing loads on stringing equipment.



### 70 & 72 Series

#### Bundle Blocks

Available in two, three, four, and six-conductor configurations per phase, with or without separate pulling-line sheave. The 70 Series blocks have rigid frames made of hot-dipped galvanized steel, available in three designs: symmetrical, slim line or off set. Bundle blocks are ideal when the versatility of field reconfiguration of the blocks is desired for meeting the demands of changing stringing needs and conditions.



### Hold Down Blocks

- Available in ductile iron or steel frame.
- Two 7" or 14" sheaves lined with Neoprene or Urethane.



## STRINGING BLOCKS



### Polished-Groove Aluminum

Single Robust Design Options to Suit Conductor & Conditions

Polished-groove sheaves are made entirely of (virgin) A356-T6 Aluminum, which is the same material used for 72 Series, 73 Series, 74 Series, and 78 Series block frames, and which renders high-strength with light weight. The use of virgin materials and the manufacturing process together help assure that the sheaves are uniformly dense, with controlled impurities, and without voids, which help assure long life and help assure against sudden failure.

Polished-groove sheaves are very durable and are easy on common conductors. Consequently, blocks with polished-groove sheaves make a good choice for stringing common conductors under typical, non-energized conditions.



### Urethane Lining on Aluminum

Single Robust Design Options to Suit Conductor & Conditions

Urethane-lined aluminum sheaves are made identically to polished-groove sheaves (above) except that a premium-grade polyurethane lining is cast-in-place on the sheaves' conductor-contact surface. The properties of the urethane and casting it in place on the bare sheave together assure a high-precision profile of the lined sheave. The urethane's formulation assures resiliency to cushion conductors, as well as assures hardness, high load-bearing capacity, impact resistance, abrasion resistance, resistance to compression-set, and resistance to oil, ozone, and other environmentals – all of which contribute to long useful life, even under harsh field conditions. A-scale durometer hardness of the lining is 90-92.

Blocks with urethane-lined sheaves are especially appropriate for stringing conductor, static wire, and fiber optic cables.



### Neoprene Lining on Aluminum

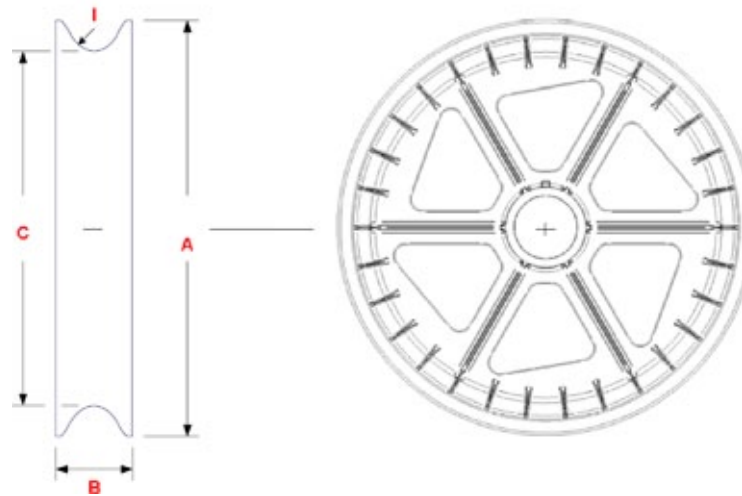
Single Robust Design Options to Suit Conductor & Conditions

neoprene-lined aluminum sheaves are made identically to polished-groove aluminum sheaves except that a semi-conductive neoprene lining is applied to the sheaves' conductor-contact surface. The neoprene is vulcanized and post-cured to assure consistency and uniformity. In addition to its conductive properties and acting as a cushion for the conductor, neoprene lining has high abrasion resistance and durability. A-scale durometer hardness of the lining is 70-72.

Blocks with neoprene-lined sheaves help to conduct potentially harmful voltages/currents to ground during stringing operations. Blocks with neoprene-lined sheaves are, consequently, especially appropriate for stringing in energized environments or in any environment where there is potential for induced or contact voltages/currents.

## DETERMINING SHEAVE SIZING

The sheave dimensions below apply to all Sherman & Reilly transmission sheaves of the Series and types indicated. These sheaves are used on the indicated single-conductor blocks, as well as on bundle blocks and specialty blocks.



Transmission Sheave Dimensions & Specifications									
All Dimensions in Inches									
Size, Nom.	A Sheave OD	B Rim Width	C		I Groove Radius	Max. Conductor OD <sup>1</sup>	Material <sup>2</sup>	Efficiency	Block -Series Compatibility
			Gr. Bottom PG <sup>3</sup>	Dia. Lined <sup>4</sup>					
10	10	1 7/8	7 11/16	7 15/16	17/32	Refer to IEEE Standard 524 (2003)	A356-T6 Aluminum (virgin)	98%	73 Series 74 Series Bundle Blocks <sup>5</sup> Specialty Blocks <sup>5</sup>
12	12	2	9 5/8	9 7/8	19/32				
14	14 1/2	2 1/8	12	12 1/4	21/32				
16	16 1/2	2 1/4	14	14	23/32				
20	20	3 1/8	16	16 1/4	13/16	Refer to IEEE Standard 524 (2003)	A356-T6 Aluminum (virgin)	98%	78 Series Bundle Blocks <sup>5</sup> Specialty Blocks <sup>5</sup>
22	22	3 1/8	18	18 1/8	13/16				
28	28	3 1/4	23 3/4	24	7/8				
28-A	28	3 1/4	NA <sup>6</sup>	24	1				
35	35	4	NA <sup>6</sup>	30 1/4	1 1/8				
42	42	4 1/2	NA <sup>6</sup>	36	1 1/8				

### Specifications subject to change without notice

1. This number must be calculated per the conditions under which the conductor will be strung.
2. Excluding ball-bearings.
3. Polished groove.
4. Urethane or Neoprene.
5. As required and engineered.
6. Not Available. These sheaves are available only as lined sheaves, either urethane or Neoprene.

## GROUNDING STRINGING BLOCKS



### Block Grounds

- Aluminum alloy or ductile iron rollers.
- Block Grounds are available for most S+R blocks.
- Equipped with grounding studs.
- Arm and rollers can be rotated to facilitate stringing in either direction.

The Sherman + Reilly Block Grounds provide direct and continuous grounding between conductor or pulling line and tower, counterpoise system, etc. Swivels, splices, sleeves and grips pass easily; the arm and rollers can be rotated to facilitate stringing in either direction.

The spring action rollers works underneath the wire preventing the block from swaying. Pressure is constantly applied to the conductor or pulling line, provided the lead-off angle is below the horizontal. Constant contact with the wire maintains voltage drain to enhance safer working conditions.



### Bundle Block Grounds

- Aluminum alloy or ductile iron rollers.
- Block Grounds are available for most S+R blocks.
- Constant contact with the wire maintains voltage drain to enhance safer working conditions.
- Spring action rollers work underneath the wire preventing the block from swaying.

On all bundle blocks used to string more than two conductors, our grounds operate on a patented eccentric design, unique to S+R, to make sure the grounding rollers are always in contact with the conductors at minimum of approx 40 lbs. of force for a positive grounding effect. It also allows for difference in sag between the conductors in the adjacent spans.

This is most important as multiple conductors during stringing installations do not stay in the same exact plane at all times and could create a safety hazard if contact with the conductor is lost should a fault current occur. S+R block grounds are also designed to work with our running boards when stringing bundled conductors.

## TRAVELING GROUNDS

An important component of every conductor stringing project, traveling grounds maintain a positive contact from conductor to ground through the use of a ground wire. All models have a reversible ground stud which accommodates almost any type of ground clamp. All models have an adjustable, spring loaded center roller to maintain the correct pressure on the conductor.



### TG250-1625 Traveling Ground

With aluminum rollers and a wire capacity of .250" to 1.625". Weighs 4-3/4 lbs.

### TG250-1625S Traveling Ground

With Steel Rollers.

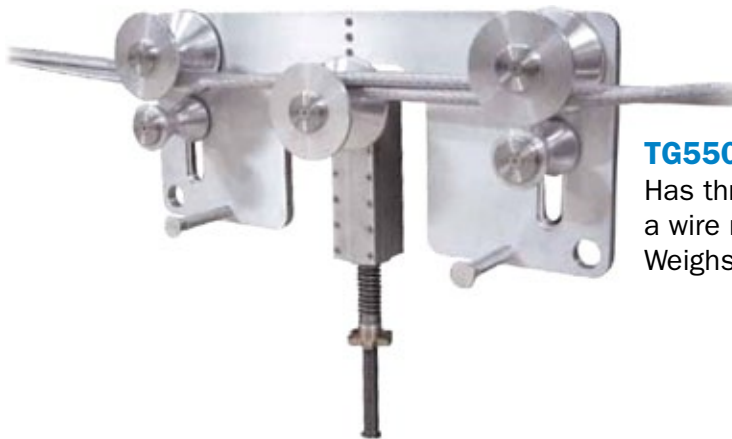


### TG75-2HD Traveling Ground

With aluminum rollers and a wire capacity 3/4" to 2". Weighs 10-1/2 lbs.

### TG75-2HDS Traveling Ground

With Steel Rollers.

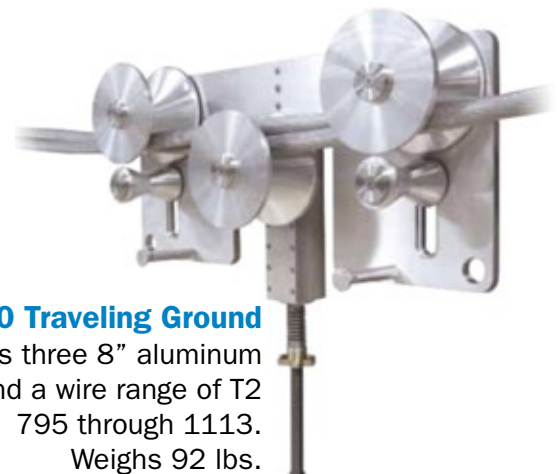


### TG550 Traveling Ground

Has three 5-1/2" aluminum rollers and a wire range of T2 4/0 through 477. Weighs 62 lbs.

### Large Capacity Traveling Grounds

The TG550 and TG80 were designed and engineered specifically for T2 wire. The sheave radius allows the T2 wire to move through the traveling ground without causing damage or milking of the wire. The two bottom rollers on each model prevent the traveling ground from jumping off of the wire during the pull.



### TG80 Traveling Ground

Has three 8" aluminum rollers and a wire range of T2 795 through 1113. Weighs 92 lbs.



## POLE BOSS CONDUCTOR STRINGING SYSTEM

A lightweight and compact hydraulic pulling system that is ideal for the installation of distribution conductors and can also be used as a pilot rope pulling system. This system can be powered from the hydraulic circuit of a line truck or by a portable hydraulic power unit.



### Drive Unit

Pulls 1,000 lbs at 400 fpm with a supply of 15 gpm at 2,000 psi. Features an Anti-Roll Back Pin to prevent backlash. Supplied with 2 ratchet straps and 2 hoses with quick disconnect couplers. Weighs 215 lbs.



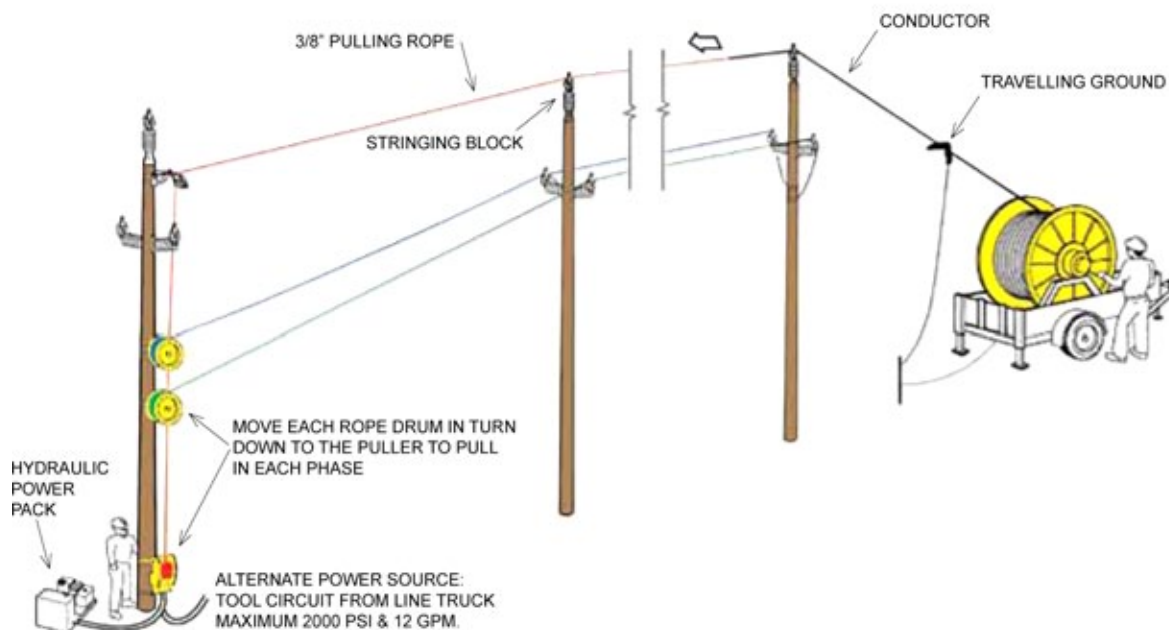
### 8000816 Payout Spindle

This unit has an adjustable disc brake that can be operated with a hotstick. It is mounted to the pole with a chain binder. Made of galvanized steel, it weighs 35 lbs.

### 562052

### Replacement Chain Assembly

*Payout spindles are also available with nylon straps*



ALTERNATE POWER SOURCE:  
TOOL CIRCUIT FROM LINE TRUCK  
MAXIMUM 2000 PSI & 12 GPM.



## TRAVELING GROUNDS & ACCESSORIES



### 353 Traveling Ground

Conductor capacity of 795MCM through 2-1/2". The torsion spring permits passage of splices and swivels. Comes standard with aluminum rollers but steel rollers are also available. Total weight is 18 lbs.

### GR43BS2 43 kA Rotating Ground

Designed to provide a continuous ground as conductor is pulled from a reel. The tool is mounted on the arbor shaft adjacent to the reel of conductor. A ground conductor is attached to the nonrotating collar then to a suitable ground provision. The tail of the conductor is then attached to the rotating stud.



### 336A Traveling Ground

The Bashlin 336A traveling ground reduces the possibility of electric shock due to accidental contact with energized conductors during stringing operations. They are heavy duty units designed for conductors measuring up to and including 336MCM.

### 1590C Traveling Ground

The Bashlin 1590C traveling ground reduces the possibility of electric shock due to accidental contact with energized conductors during stringing operations. They are heavy duty units designed for conductors measuring up to and including 1590MCM.



## SAGGING EQUIPMENT



### SW-E Sagwatch

Used to accurately determine sag simply and rapidly. Water & shock resistant, it is antimagnetic and housed in a stainless steel case.

Scale	Capacity	Graduations
<b>3rd Return</b>	Sag up to 36 Feet	Feet & Decimals
<b>5th Return</b>	Sag up to 100 Feet	Feet & Decimals
<b>Seconds</b>	Seconds up to 30	Tenth of a second



### 21412-2J

#### Pocket Thermometer

This thermometer has a range from -50o to 120o F.



### S22-771 Clipping Hook

6,500 lb Safe Working Load.



The S22-771 Is Load Tested and Serialized Prior To Shipment



### 724 Sag Scope

The "Double Bubble" feature allows for vertical & horizontal leveling. The 3 x 9 power scope with cross hairs mounts easily to either wooden poles or steel structures. Kit includes a padded, high-impact storage case.



### CT40-160 Sagometer

An accurate thermometer encased in a section of aluminum conductor. This helps determine the temperature of the conductor being sagged. Range is -40o to 160o F.

## DYNAMOMETERS



### Analog Dynamometers

Accurately displays weight in any direction within 1/2% of full scale. Shackles and cases are included.

#### 5" Dials

Part #	Capacity & Divisions (lbs.)
<b>30006-0035</b>	2,000 x 20
<b>30006-0050</b>	5,000 x 50
<b>30006-0084</b>	10,000 x 100
<b>30006-0100</b>	20,000 x 200

#### 10" Dials

Part #	Capacity & Divisions (lbs.)
<b>30007-0109</b>	20,000 x 100
<b>30784-0017</b>	30,000 x 200
<b>30784-0025</b>	40,000 x 200
<b>30784-0033</b>	50,000 x 200



### Electronic Dynamometers

Its LCD displays 1" high digits and has an accuracy of 0.2% of capacity. Supplied with shackles.

Part #	Capacity Resolution (lbs)	Carrying Case
<b>36190-0038</b>	2,500 x 2	Included
<b>36190-0046</b>	5,000 x 5	Included
<b>36190-0053</b>	10,000 x 10	36244-0034
<b>36190-0103</b>	25,000 x 20	36244-0042



## PULLERS AND TENSIONERS

### U7500 Bullwheel Puller

Puller for Underground Installation  
7,500 lb. Pulling Capacity

- Hydraulically-driven twin bullwheels.
- Safe-Zone Cab™ for the operator.
- Hydraulic extendable boom w/170° swing arc.
- Joystick control, electronic display & boom camera.
- Electronic footage counter, tensiometer and data logger.



The Series U7500 is a bullwheel puller for the installation of underground distribution conductor. The single platform, modular design provides 7,500 lbs. pulling capacity offering plenty of power to handle most installations. The hydraulically driven twin capstan bullwheels ensure smooth, well controlled pulls.

Powered by a 35 hp 4-cylinder diesel engine, the transmission has two forward speeds and a reverse demand payout. The U7500 has plenty of power as well as flexibility to deal with varying needs during an underground pull. A joystick-controlled, hydraulically positioned extendable boom with 170° of swing arc is available for reaching into and pulling from pad-mounted transformers and other tight openings.

With state of the art design to ensure operator safety, the U7500 features a Safe-Zone Cab™. This enclosure is designed to keep an operator off the ground while the equipment is in use. Built with a fully adjustable, ergonomic seat and a digital touch display for all machine operations, diagnostics, and pull status. The Safe-Zone™ Cab is designed to reduce operator fatigue thereby reducing errors and injuries in the field.

Equipped with a digital electronic load recorder for documenting pulling tensions and an electronic footage counter providing accurate, and continuous measurement of conductor/ cable deployed. Optional on-board air compressor.

**Linestar has the full line of Sherman & Reilly Overhead and Underground Pullers and Tensioners available. Please contact us for more info.**



**British Columbia:**

**Alberta:**

**Saskatchewan/Manitoba:**

phone: 604-594-2701 • fax: 604-594-2751

phone: 403-243-1900 • fax: 403-243-2063

phone: 204-783-9771 • fax: 204-783-8951

**100%  
CANADIAN  
OWNED**



## PULLERS AND TENSIONERS

### HPLW-2004 Puller

4-Drum Rotating-Turret Puller  
2000 lb. Pulling Capacity

- 360° powered turret rotation range.
- 6,000 ft. capacity for 3/8 in. rope.
- Waterfall design for concurrent deployment of 4 lines.
- ACG - Advanced Control Group.
- Revolution Series
- Safe-Zone™ Cab

The Sherman + Reilly HPLW-2004 is a compact 4-drum puller, providing high capacity in a configuration that is easy to tow and maneuver into tight spaces. The drum deck is hydraulically operated and may be rotated through a full 360° range. It may be locked at virtually any position, enabling the operator to easily and safely align the pull without having to re-position the trailer, thereby saving time and reducing the risk of line damage and delays caused by misalignment.

Capable of a maximum 2,000 lb. line-pull at the top of each drum, enabling long pulls using a single machine at one fixed site. Each drum is equipped with an Al-bronze disc-caliper pay out brake, enabling safe well-controlled rope payout and facilitating diminished risk of damage to lines and delay. The Safe Zone Cab™ is mounted to and rotates with the drum deck ensuring the operator is off the ground at all times during operation. All controls function from the control panel within the protection of the cab.

The trailer is equipped with four (4) independent telescoping fully hydraulic outriggers. It also has two (2) independent hydraulically controlled levelwinds, which facilitate even distribution of lines and well-controlled pulling tension. The HPLW-2004 also features hard plumbe hydraulics with swivel fittings for improved reliability and eliminating the need to disconnect hoses for travel.



## JUMPER CABLE & ASSEMBLIES



This cable stays extremely flexible even at very low temperatures. The EPR jacket resists abrasion, oil, moisture and ozone.

### 15 kV Insulated Jumper Cable

Part #	Cable Size	Approx. Conductor Diameter	Approx. Ampacity Rating	Approx. Weight per 1,000 Feet
<b>12198</b>	# 2	0.320"	200	440 lbs.
<b>12199</b>	1/0	0.403"	250	600 lbs.
<b>12200</b>	2/0	0.456"	300	710 lbs.
<b>12201</b>	4/0	0.592"	400	1,050 lbs.

### 25 kV Insulated Jumper Cable

Part #	Cable Size	Approx. Conductor Diameter	Approx. Ampacity Rating	Approx. Weight per 1,000 Feet
<b>6874</b>	2/0	.456	300	750 lbs.

### 35 kV Insulated Jumper Cable

Part #	Cable Size	Approx. Conductor Diameter	Approx. Ampacity Rating	Approx. Weight per 1,000 Feet
<b>6859</b>	1/0	.403	250	950 lbs.



## JUMPER SET ASSEMBLIES

Jumper sets can be made with a specific wire size, to any length using any of the clamps pictured on page 112 and with jumper cable of any rating. All sets include heat shrink tubing over each connection and a dated test label with a unique serial number.

### Custom Jumpers Available



## LOADBREAK & LOAD PICKUP TOOLS



### C403-1631 Load-Pickup Tool

Installed on one end of a jumper assembly, this tool can pickup loads and carry 250 Amps at 15 kV. The spring loaded contacts are closed by pulling on the insulated lanyard. The contacts cannot be recocked unless the tool is removed from the conductor.

This tool cannot be used as a load-break tool.

### “Jack Jumpers”

These tools permit a safe and quick method to bypass standard overhead cutouts without the use of bulky jumper cables. One end is placed on the arcing horn of the cutout and the other to the cradle end of the cutout establishing the bypass. Rated for 100 amps and for standard cutouts.



Part #	Cutout Rating	Max. Strength
USJJ-001	15kV	9-1/2”
USJJ-02	27kV	14-1/2”

### Mini-Max Load Pickup Clamp

A lightweight, compact tool used in the load pickup operation. A locking pin keeps the tool in the open position until the operator is ready. The plunger can only be reset when the tool is removed from the conductor. It weighs only 7 lbs and is 20” long. Maximum voltage is 27 kV. Maximum continuous current rating is 300 Amps.

### USMM-001 With Floating Head USMM-002 With Duckbill Clamp

For soft carrying case, add “S” to the part #.

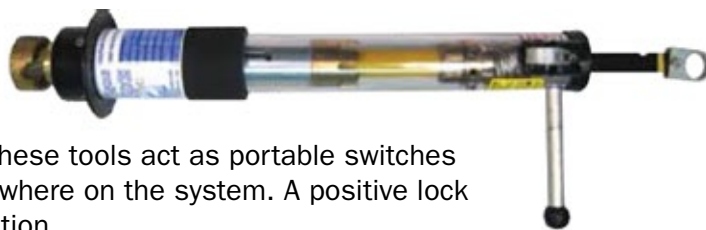




## LOADBREAK & LOAD PICKUP TOOLS

### Load Break & Load Pickup Clamp

The only combination load break and load pickup tool available. For repair or maintenance, these tools act as portable switches to de-energize and re-energize the line almost anywhere on the system. A positive lock keeps the circuit in either the open or closed position.



Part #	Max. Voltage	Max. Current	Head Style	Length	Weight
<b>USBS-15-1</b>	15 kV	300 Amps	Floating	27"	7 lbs.
<b>USBS-15-2</b>	15 kV	300 Amps	Duckbill	27"	7 lbs.
<b>USBS-27-1</b>	27 kV	300 Amps	Floating	31"	8 lbs.
<b>USBS-27-2</b>	27 kV	300 Amps	Duckbill	31"	8 lbs.
<b>USBS-46-1</b>	46 kV	200 Amps	Floating	39"	10 lbs.
<b>USBS-46-2</b>	46 kV	200 Amps	Duckbill	39"	10 lbs.

For soft carrying case, add "S" to the part #.

### XLT Load Break Tools

Weighing only 4.2 lbs it measures 16" long and 6-1/4" wide. The high metal-to-metal clearance minimizes flashover potential. The side located reset button allows for full reset of the tool without glove removal. The longer stroke easily accomodates 25 kV cutouts. These models are also available with operational counters. Specify when ordering. Load Break Rating: 600 Amps nominal, 900 Amps max.

#### **USLRXLT-1-NC 27 kV, No Counter**

#### **USLRXLT-2-NC 38 kV, No Counter**

For hard carrying case, add "H" to the part #.

For soft carrying case, add "S" to the part #.



### Loadbuster Loadbreak Tools

Easy-to-use portable loadbreak tools for use on disconnects, cutouts, power fuses and fuse limiters. It has a built in operation counter and an operating life between 1,500 to 2,000 uses before inspection and maintenance. Both models are rated for 600 amps nominal, 900 amps max.

Part #	Nominal Voltage	Max. Voltage
<b>5300R3E</b>	14.4/25 kV	27 kV

#### **5380 Optional Carrying case**



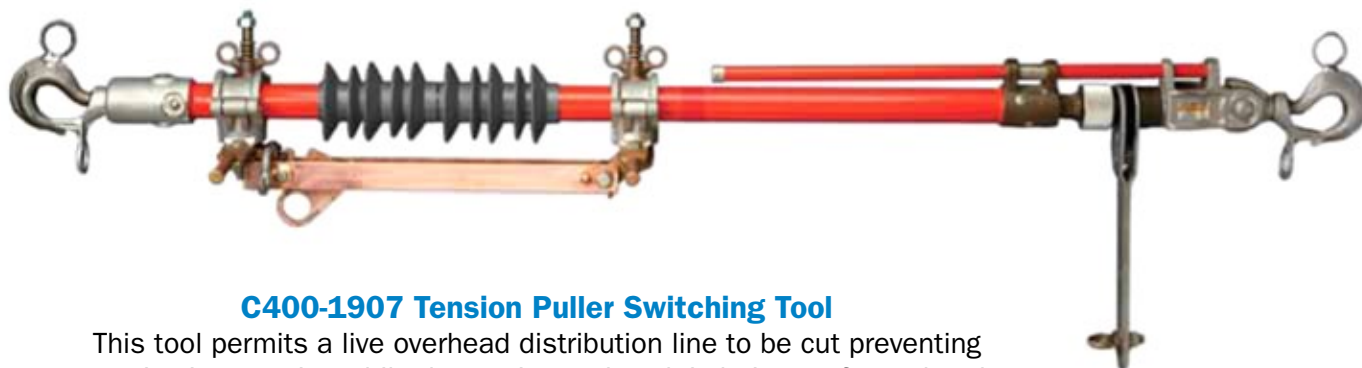
## LOADBREAK & LOAD PICKUP TOOLS



### Temporary Cutout Tools

Provides fuse protection during live-line maintenance. The tool is clamped to the conductor, the bronze stud accepts a temporary tap jumper and is operated by a loadbreak tool. 100 Amps continuous current.

Part #	Rating	Interrupt Capacity	Weight
<b>PSC601-0341</b>	15kV	10,000 Amps	6 lbs.
<b>PSC601-0342</b>	27kV	8,000 Amps	9 lbs.



### C400-1907 Tension Puller Switching Tool

This tool permits a live overhead distribution line to be cut preventing service interruption while the cutting and work is being performed and can be applied wherever a disconnect switch is needed for temporary sectionalizing. It is properly rated for line tension, continuous current, BIL and voltage.

Wire grips are attached to the ends of the tool and to the conductor. The ratchet wrench draws the ends together reducing the tension of the wire between the hooks. Hot-line jumpers are installed on the conductor and the tool's bypass studs. Once cut, the tail of the conductor can be clamped back onto itself. Use only a properly rated loadbreak tool to operate the disconnect switch.



## C-TYPE GROUNDING CLAMPS



**T600-0658**



**C600-2255**



**C600-2282**



**C600-1743**

Part #	Jaw Type	Ferrule Type	Main Line Minimum	Main Line Maximum	Continuous Current	Fault Current 15 Cycles	Fault Current 30 Cycles
<b>T600-0658</b>	Smooth	Pressure	0.162"	2" O.D. Bus	400 Amps	43,000 Amps	30,000 Amps
<b>C600-2255</b>	Smooth	Pressure	0.162"	2" O.D. Bus	400 Amps	43,000 Amps	30,000 Amps
<b>C600-2256</b>	Serrated	Pressure	0.162"	2" O.D. Bus	400 Amps	43,000 Amps	30,000 Amps
<b>C600-2281</b>	Smooth	Pressure	0.162"	2" O.D. Bus	400 Amps	43,000 Amps	30,000 Amps
<b>C600-2282</b>	Serrated	Pressure	0.162"	2" O.D. Bus	400 Amps	43,000 Amps	30,000 Amps
<b>C600-1743</b>	Smooth	Pressure	0.162"	1.50" ACSR	400 Amps	43,000 Amps	30,000 Amps

## DUCKBILL GROUNDING CLAMPS



**C600-0434**



**C600-1734**



**G3622-1**

Part #	Jaw Type	Ferrule Type	Main Line Minimum	Main Line Maximum	Continuous Current	Fault Current 15 Cycles	Fault Current 30 Cycles
<b>C600-0197</b>	Serrated	Threaded	0.162"	1.506" ACSR	400 Amps	43,000 Amps	30,000 Amps
<b>C600-1734</b>	Smooth	Threaded	0.162"	1.162" ACSR	400 Amps	43,000 Amps	30,000 Amps
<b>G3622-1</b>	Smooth	Pressure	0.162"	1.162" ACSR	400 Amps	43,000 Amps	30,000 Amps.

## SPECIALTY GROUNDING CLAMPS

### T600-2364

#### Long Ball Stud

The 3" shank accepts most types of ground clamps. Overall length is 7".



### C600-2102

#### Standard Ball Stud

4-1/4" overall length.

### Apparatus Grounding Clamps

Bronze clamps used in restricted-space applications and as part of a truck grounding system. They have a high-current rating of 43,000 amps for 15 cycles and 30,000 amps for 30 cycles.

Part #	Terminal Type	Ferrule Type	Handle Type
<b>C600-2100</b>	Drilled	Threaded	Shotgun Eye
<b>C600-2101</b>	Tapped	Threaded	Shotgun Eye
<b>C600-2300</b>	Pressure	Pressure	Shotgun Eye
<b>T600-2320</b>	Tapped	Threaded	T-Handle

### G33634SJ

#### Flat Face Clamp

This aluminum body clamp has serrated jaws and accommodates up to 1-1/2" angles and flats. It accepts pressure type ferrules and has fault current ratings of 27,000 amps for 15 cycles and 20,000 amps for 30 cycles.



### T600-0466

#### C-Type Clamp

The smooth jaws of this bronze body clamp accepts up to 477 ACSR (0.814"). It has a shotgun eye handle and uses threaded ferrules. The fault current ratings are 21,500 amps for 15 cycles & 15,000 amps for 30 cycles.



### C600-2232 Tower Clamp

A bronze body clamp with flat serrated jaws that have a 1-1/2" capacity. It has a drilled terminal to accept threaded ferrules. The fault current rating is 43,000 amps for 15 cycles and 30,000 amps for 30 cycles.



### G3369 Bus-Bar Clamp

This aluminum clamp fits on square bus up to 4"x4" and round bus up to 4-1/2" and accepts pressure type ferrules. Fault current rating of 43,000 amps for 15 cycles and 30,000 amps for 30 cycles.



### C600-2231 Tower Clamp

with a T-Handle.



### 21703 Multi-Purpose Ground Clamp and Ball Studs

- C Head upper jaw is designed for use on conductors. Slotted "V" also allows the ground clamp to be attached to the ball stud(s) shown.
- Both sides of the clamp are drilled and tapped to attach ball studs for use as hanger studs. Drilled and tapped holes are 1/2"-13 and can also be utilized as lubrication ports.





## GROUNDING FERRULES



**Shrouded Threaded Copper Ferrules**

Part #	Cable Size	Burndy Die "A"	Burndy Die "B"
<b>C600-2622</b>	# 2	U165	U166
<b>C600-2623</b>	1/0	U165	U168
<b>C600-2624</b>	2/0	U165	UL
<b>C600-2625</b>	4/0	U166	UL



**Unshrouded Threaded Copper Ferrules**

Part #	Cable Size	Burndy Die
<b>C600-2606</b>	# 2	U165
<b>C600-2607</b>	1/0	U165
<b>C600-2608</b>	2/0	U165
<b>C600-2609</b>	4/0	U166



**Shrouded Threaded Aluminum Ferrules**

Part #	Cable Size	Burndy Die "A"	Burndy Die "B"
<b>C600-2618</b>	# 2	U165	U166
<b>C600-2619</b>	1/0	U165	U168
<b>C600-2620</b>	2/0	U165	UL
<b>C600-2621</b>	4/0	U249	UL



**Unshrouded Threaded Aluminum Ferrules**

Part #	Cable Size	Burndy Die
<b>C600-2602</b>	# 2	U165
<b>C600-2603</b>	1/0	U165
<b>C600-2604</b>	2/0	U165
<b>C600-2605</b>	4/0	U249

SECTION "A"      SECTION "B"



**Shrouded Plain Copper Ferrules**

Part #	Cable Size	Burndy Die "A"	Burndy Die "B"
<b>C600-2630</b>	# 2	U165	U166
<b>C600-2631</b>	1/0	U165	U168
<b>C600-2632</b>	2/0	U165	UL
<b>C600-2633</b>	4/0	U166	UL



**Unshrouded Plain Copper Ferrules**

Part #	Cable Size	Burndy Die
<b>C600-2614</b>	# 2	U165
<b>C600-2615</b>	1/0	U165
<b>C600-2616</b>	2/0	U165
<b>C600-2617</b>	4/0	U166



**Shrouded Plain Aluminum Ferrules**

Part #	Cable Size	Burndy Die "A"	Burndy Die "B"
<b>C600-2626</b>	# 2	U165	U166
<b>C600-2627</b>	1/0	U165	U168
<b>C600-2628</b>	2/0	U165	UL
<b>C600-2629</b>	4/0	U249	UL



**Unshrouded Plain Aluminum Ferrules**

Part #	Cable Size	Burndy Die
<b>C600-2610</b>	# 2	U165
<b>C600-2611</b>	1/0	U165
<b>C600-2612</b>	2/0	U165
<b>C600-2613</b>	4/0	U249



**TEBSTS-5 5" Heat Shrink Tube**  
**TEBSTS-8 8" Heat Shrink Tube**



# GROUNDING FERRULES

## Grounding Cable Ferrules

All Hastings ferrules are tin plated copper. Provides added protection against corrosion.

### Ferrules for Bolted Type Terminals

Part #	Size AWG	lbs
<b>11656</b>	# 2	0.1
<b>11657</b>	1/0	0.1
<b>11658</b>	2/0	0.1
<b>11660</b>	4/0	0.1

### Ferrules for Threaded Type Terminals, 5/8-11 NC

Part #	Size AWG	lbs
<b>12998</b>	# 2	0.3
<b>12999</b>	1/0	0.3
<b>13000</b>	2/0	0.3
<b>13001</b>	4/0	0.4
<b>PS50349</b>	5" heat shrink	0.1

### Ferrules for Compression-Bolted Type Terminals

Part #	Size AWG	lbs
<b>P30244</b>	# 2	0.3
<b>P30245</b>	1/0	0.4
<b>P30246</b>	2/0	0.4
<b>P30247</b>	4/0	0.5

### Ferrules for Elbows - URD

Part #	Size AWG	lbs
<b>P30916</b>	1/0	0.4
<b>P30917</b>	2/0	0.5



## CLEAR JACKETED COPPER GROUNDING CABLE



The clear jacket allows for visual inspection of the conductor under the insulation. Extremely flexible at temperatures ranging from -25o C to 90o C. Meets ASTM B-3 & F-855 specifications.

Part #	Cable Size	Approx. Conductor Diameter	# of Strands
<b>CGC2</b>	# 2	.326"	665
<b>CG1/0</b>	1/0	.443"	1050
<b>CG2/0</b>	2/0	.491"	1323
<b>CG4/0</b>	4/0	.619"	2107

## YELLOW JACKETED COPPER GROUNDING CABLE



The standard yellow jacket is made of neoprene that is easy to strip and resists abrasion and compression cutting. This cable stays flexible at temperatures to -40o C and has a 600 volt rating.

Orange Jacket Ground Cable also available

Part #	Cable Size	Approx. Conductor Diameter	# of Strands
<b>YGC2</b>	# 2	.370"	665
<b>YGC1/0</b>	1/0	.480"	1045
<b>YGC2/0</b>	2/0	.520"	1330
<b>YGC4/0</b>	4/0	.640"	2109

## SPECIALTY GROUND SETS



### Single-Phase Elbow Grounding Sets

Made with 6 feet of 1/0 yellow jacketed cable and a bronze body C-Type ground clamp on one end and an elbow on the other end.

**C6000729 15kV Elbow Grounding Set**

**T6002131 25/35kV Elbow Grounding Set**



**C600-3097**

**15kV Grounding Elbow**

**C600-3098**

**25/35kV Grounding Elbow**

**C600-3099**

**35kV Grounding Elbow**



### Grounded Parking Bushing Sets

A loadbreak bushing on one end and bronze body clamp on the other end of a 4 foot length of 1/0 yellow jacketed cable.

**T600-3091**

**15kV Grounded Parking Bushing Set**

**T600-3092**

**25/35kV Grounded Parking Bushing Set**



### Three-Phase Elbow Grounding Sets

Three 6' lengths of 1/0 yellow jacketed cable connected to a single C-Type bronze body ground clamp with elbows on the other ends.

**C6003102**

**15kV 3-Phase Elbow Grounding Set**

**C6003103**

**25/35kV 3-Phase Elbow Grounding Set**

## SPECIALTY GROUND SETS

### 76038YC Concentric Neutral Jumper Set

Used for bonding purposes on non-jacketed cable, it is installed across the portion of the cable to be cut, repaired or spliced. The assembly is left in place until the concentric neutral has been spliced. Made with 8' of 2/0 yellow jacketed cable and 2 spring loaded ground clamps. This set has a continuous current rating of 250 amps and a fault current rating of 14,000 amps for 15 cycles.



### T600-2375 4-Leg Grounding Set

Consists of three 4 foot and one 6 foot lengths of 1/0 clear cable. Includes a 4-way terminal block and 4 flat face grounding clamps.

#### Fault current ratings:

21,000 amps for 15 cycles and  
15,000 amps for 30 cycles.

### Temporary Grounding Sets for Live-Front Switches and Transformers

Available in any cable size, color or length. Your choice of clamps include flat-face, ball stud clamps or c-clamps.



### C600-0758 3-Leg Grounding Set

Bronze clamps on three 6 foot lengths of 2/0 clear cable are connected to a 3-way terminal block with a fourth c-clamp clamp.

#### Fault current ratings:

21,500 amps for 15 cycles and 15,000 amps  
for 30 cycles.



### T600-2246 Ball Stud Grounding Set

Ball stud clamps on three 6 foot lengths of 2/0 clear cable are connected to a 3-way terminal block with a fourth ball stud clamp. 4 each ball studs are included.

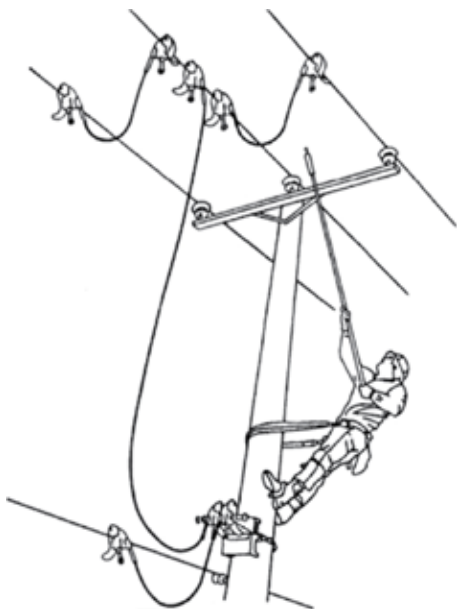
#### Fault current ratings:

27,000 amps for 15 cycles and 20,000 amps  
for 30 cycles.



## TRUCK GROUNDING

### Custom Made Overhead Distribution Grounding Sets



Generally consisting of 5 assembled lengths, these sets may include three lengths at 6' each, one at 12' and one at 30'. These complete sets are made to your specifications using your choice of cable, ferrules, clamps and overall lengths. All sets are tested and labeled with the date of test and their own unique serial number.

#### 21362 Small Grounding Reel Only

**21363 Small Grounding Reel**  
with 40' of # 2 cable and clamp.

**21364 Small Grounding Reel**  
with 40' of 1/0 cable and clamp.

**21365 Small Grounding Reel**  
with 40' of 2/0 cable and clamp.

#### 21366 Large Grounding Reel Only

**21374 Large Grounding Reel**  
with 50' of 1/0 cable and clamp.

**21375 Large Grounding Reel**  
with 50' of 2/0 cable and clamp.

#### 2181 Ground Set Bag

Yellow Vinyl, Handles Wrap  
Around Bag.  
Zipper Opening, Hang or Stack  
20"L x 5"W x 13"H  
Weight 1 lb. 9 oz.



#### Truck Grounding Reels

Provides an efficient and positive means to ground trucks near energized electrical lines. The spring loaded drum controls payout and take up. Each reel with factory installed cable includes a 6' length of 2/0 ground cable to connect to the truck and a bronze body clamp to attach to the ground rod.

## TRUCK GROUNDING



### GR43BS2 Rotating Ground Adapter

This unique tool provides protection while the conductor is pulled from reels. It adds conductor grounding but does not replace other grounding practices. The adapter slides on the reel mandrel. The outer collar connects to the tail of the conductor on the reel and the inner collar connects to a ground rod.



### TEG2B2M Cable Reel Grounding Set

Consisting of a 3' length and a 15' length of 2/0 yellow jacketed cable, both with ball stud clamps on one end and C-type clamps on the other.

**GR43BS** Rotating Ground Adapter and **TETGR** Ground Rod sold separately.



### TETGR Screw Ground Rod

A temporary 6' copperclad ground rod with T-Handle.

## PERSONAL PROTECTIVE GROUND GRIDS

### Non-Slip Grid with Long Ball Stud Only

Part #	Size
<b>101-25-50-V</b>	58" x 58"
<b>201-25-50-V</b>	58" x 120"
<b>601-25-50-SR</b>	120" x 120"

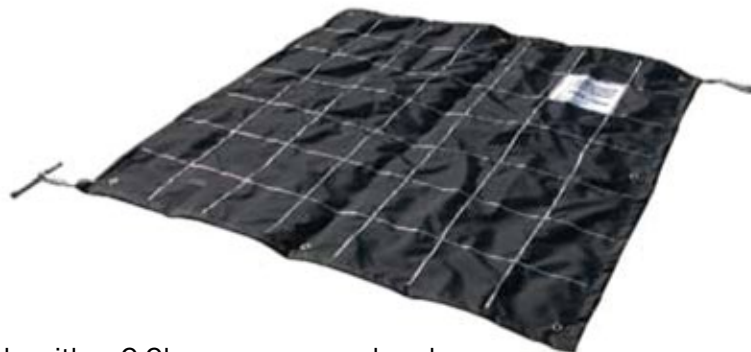
### Non-Slip Protective Grid Kits

Part #	Size
<b>HV101-25-50V</b>	58" x 58"
<b>HV201-25-50V</b>	58" x 120"
<b>HV602-25-50V</b>	120" x 120"

Kits include a 6' length of 2/0 grounding cable with a C-Clamp on one end and a Ball Socket clamp on the other end, a long ball stud and vinyl storage bag.

### Slip-Resistant Ground Grids

These grids provide the same protection as the above but are made of a black, slip-resistant material. Ideal for use in rain, snow or icy conditions.



**TETGR**  
**Screw Ground Rod**  
A temporary 6' copperclad ground rod with T-Handle.

### T600-1549 Cluster Bar

The 5/8" x 5" aluminum bar accepts ground clamps for equipotential grounding techniques. Supplied with an adjustable wheel binder and 36" of chain for poles.

### B90-PBC

#### Safety Grounding Pole Band

Body Material: High Quality Aluminum

Qualification: ASTM F855

Max Fault Current Rating:  
43,000 Amps @ 15 Cycles  
30,000 Amps @ 30 Cycles

## PERSONAL PROTECTIVE GROUND GRIDS



### S1600-7 Insulated Hanger

Used as a parking stand when installing jumper or grounding clamps. It has a 15" Epoxiglas pole and a conductor capacity of 636 ACSR. Studs are 1/2" x 3-1/2".



### TEGCTH T-Handle Adapter

Converts the shotgun eye of a ground clamp into a T-Handle.



### G4754-1 4-Way Terminal Block

Used to attach ground leads from grounding clamps to a common ground. Accepts unthreaded ferrules only.



### 930 Ground Rod Driver

This ground rod driver is a simple, unique tool designed to ease the chore of driving ground rods. Compact and easy to handle, it enables a workman to drive an 8' rod while standing on the ground. Its size and shape make it easy to store on most line trucks.

The 930 is for 5/8" ground rods, and the 930UT is also for 5/8" ground rods and features hand guards.



### GRT1000 Series Ground Resistance Tester

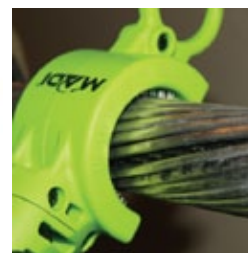
Clamp-on ground rod/wire resistance tester, designed for loop grounding systems to provide easy and accurate resistance ground measurements.



## CONDUCTOR CLEANING BRUSHES



**BB-1** Knife



**WB-1**

Replacement Brush

### Brush Blade Skinning Knife/Brush • 2 in 1 Tool

BrushBlade™ combines 2 tools into one and helps linemen decrease outages, minimize open neutrals and bad connections, and create significant savings by brushing conductors properly! The two tools are a knife and an integrated wire brush. The wire brush helps clean conductors to make better connections and covers conductors up to 1000 MCM. This covers most conductors and the wire brush is easily replaceable. Other key features that make this product unique are the reversible thumb stud for quick one handed opening from the left or the right and the built-in nonconductive snap ring for easy storage.

Not only is it more efficient but it is significantly safer than knives currently available. BrushBlade™ is safer because the blade can be closed when not in use, locks in the open position preventing accidental closing, has a blunt tip, and a blade back design which discourages scraping the aluminum conductors.



**M4455-92**  
**Universal Conductor Brush**  
1-1/4" Diameter x 6" Long



**M4455-93**  
**Conductor Brush**  
1-1/4" Diameter x 6" Long

**10-180**  
**Universal Conductor V-Brush**



**10-179**  
**Replacement Brushes**  
Box of 10 brushes for both 10-178 and 10-180.

**10-178**  
**Conductor V-Brush**  
with Shotgun Eye



# ACSR CONDUCTOR TRIMMER



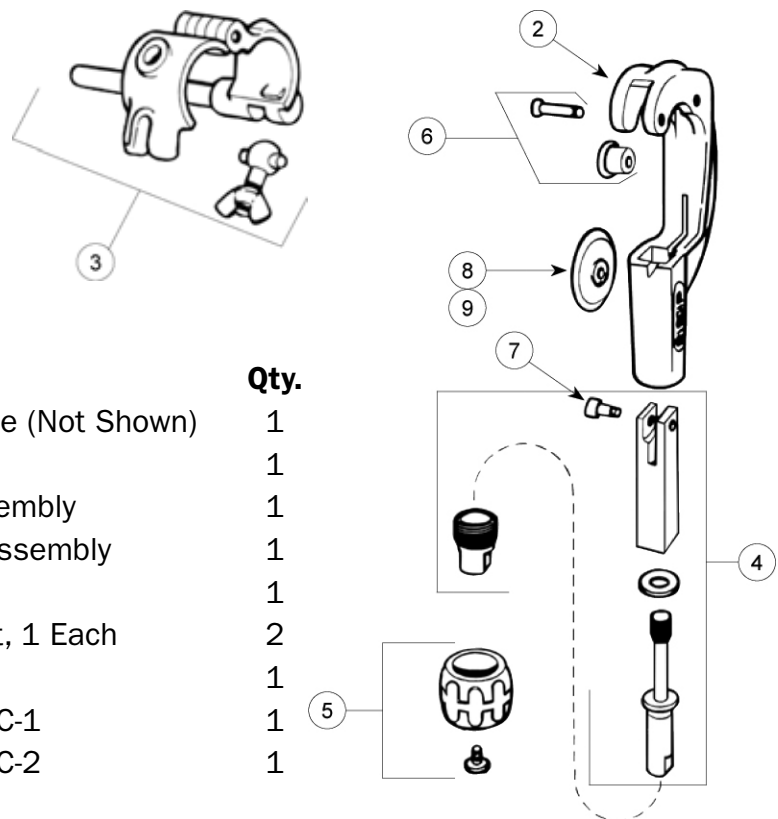
## PSC-1 ACSR Trimmer

Quickly and accurately removes the aluminum stranding from around the steel core of ACSR, ACSS and other types of conductor. Operating like a tube cutter, it squarely and cleanly cuts the aluminum stranding without harming the inner steel strands. Made of an aluminum alloy, this tool is lightweight and durable. Kit includes tool, bushing holder & storage case.

## PSC-2 Large ACSR Trimmer

For conductor sizes 2034500 and larger. Kit includes tool and case. No bushing holder required.

**Order bushings separately.**



Item #	Part #	Description	Qty.
1	TE54140	Plastic Carrying Case (Not Shown)	1
2	TE54145	Cutter Frame	1
3	TE54160	Bushing Holder Assembly	1
4	TE54165	Bar & Feed Screw Assembly	1
5	TE34625	Knob Assembly	1
6	TE54285	Roller & Roll Pin Set, 1 Each	2
7	TE54305	Cutter Wheel Axle	1
8	TE54270	Cutter Wheel for PSC-1	1
9	TE54170	Cutter Wheel for PSC-2	1

## ACSR CONDUCTOR TRIMMER BUSHINGS

### Trimmer Bushings

Each of these interchangeable bushings are precision-machined to accurately trim the outer stranding of one particular wire only.



**PSC-1 Bushing,  
PSC-1 Tool and  
PSC-1 Bushing Holder**



**PSC-2 Bushing and  
PSC-2 Tool**

### Common Bushings for PSC-2 Trimmer

Part #	Stranding	Cicular Mills/AWG	Code Word
<b>TD1605</b>	84/19	2156000	Bluebird
<b>TD1609</b>	72/7	2167000	Kiwi
<b>TD1610</b>	72/7	2034500	Mockingbird
<b>TD1611</b>	54/37	2493000	N/A
<b>TD1615</b>	76/19	2312000	Thrasher

### Common Bushings for PSC-1 Trimmer

Part #	Stranding	Cicular Mills/AWG	Code Word
<b>TE5761</b>	6/1	2/0	Quail
<b>TE5762</b>	6/1	3/0	Pigeon
<b>TE5763</b>	6/1	4/0	Penquin
<b>TE5764</b>	18/1	266800	Waxwing
<b>TE5766</b>	26/7	266800	Partridge
<b>TE5768</b>	18/1	336400	Merlin
<b>TE5769</b>	26/7	336400	Linnet
<b>TE5770</b>	30/7	336400	Oriole
<b>TE5773</b>	26/7	397500	Ibis
<b>TE5774</b>	30/7	397500	Lark
<b>TE5775</b>	18/1	477000	Pelican
<b>TE5776</b>	24/7	477000	Flicker
<b>TE5777</b>	26/7	477000	Hawk
<b>TE5778</b>	30/7	477000	Hen
<b>TE5779</b>	18/1	556500	Osprey
<b>TE5780</b>	24/7	556500	Parakeet
<b>TE5781</b>	26/7	556500	Dove
<b>TE5782</b>	30/7	556500	Eagle
<b>TE5788</b>	24/7	636000	Rook
<b>TE5789</b>	26/7	636000	Gosbreak
<b>TE5792</b>	24/7	666600	Flamingo
<b>TE5793</b>	24/7	715500	Stilt
<b>TE5796</b>	36/1	795000	Coot
<b>TE5797</b>	45/7	795000	Tern
<b>TE5799</b>	54/7	795000	Condor
<b>TE5800</b>	26/7	795000	Drake
<b>TE5801</b>	30/19	795000	Mallard
<b>TE5883</b>	30/19	954000	Canvasback
<b>TE5804</b>	36/1	954000	Catbird
<b>TE5805</b>	45/7	954000	Rail
<b>TE5806</b>	54/7	954000	Cardinal
<b>TE5809</b>	54/7	1033500	Curlew
<b>TE5810</b>	45/7	1113000	Bluejay
<b>TE5811</b>	54/19	1113000	Finch
<b>TE5812</b>	45/7	1192500	Bunting
<b>TE5814</b>	45/7	1272000	Bittern
<b>TE5822</b>	45/7	1590000	Lapwing
<b>TE5860</b>	54/19	1590000	Falcon

## GENERAL PURPOSE BOLT CUTTERS

These center cut bolt cutters feature a toggle joint that turns 50 lbs. of hand pressure into 4,000 lbs. of cutting pressure. A lockplate keeps the steel jaws from loosening and a screw-type adjustment realigns the edges.



Steel Handles



Fiberglass Handles

Part #	Med. Hard Materials*	Hard Materials**	Length	Repl. Head
<b>1490MC</b>	5/16"	3/16"	14"	1413C
<b>0090MC</b>	3/8"	1/4"	18"	0013C
<b>0190MC</b>	7/16"	5/16"	24"	0113C
<b>0290MC</b>	1/2"	3/8"	30"	0213C
<b>0390MC</b>	9/16"	7/16"	36"	0313C
<b>0590MC</b>	11/16"	1/2"	42"	0513C

Part #	Med. Hard Materials*	Hard Materials**	Length	Repl. Head
<b>0090FC</b>	3/8"	1/4"	18"	0013C
<b>0190FC</b>	7/16"	5/16"	24"	0113C
<b>0290FC</b>	1/2"	3/8"	30"	0213C
<b>0390FC</b>	9/16"	7/16"	36"	0313C

\* Brinell 300, Rockwell C31

\*\* Brinell 455, Rockwell C38

## HEAVY-DUTY BOLT CUTTERS

Heavy-duty cutters are used for cutting hard metals, wire mesh and reinforcing rod & bar. The jaws are supported with heavy-duty straps. Like the above tools, they provide 4,000 lbs. of cutting force from 50 lbs. of hand pressure.



Steel Handles



Fiberglass Handles

Part #	Med. Hard Materials*	Length	Repl. Head
<b>0190MCX</b>	5/16"	24"	0113CX
<b>0290MCX</b>	3/8"	30"	0213CX
<b>0390MCX</b>	7/16"	36"	0313CX
<b>0590MCX</b>	1/2"	42"	0513CX

Part #	Med. Hard Materials*	Length	Repl. Head
<b>0190FCX</b>	5/16"	24"	0113CX
<b>0290FCX</b>	3/8"	30"	0213CX
<b>0390FCX</b>	7/16"	36"	0313CX

\*\* Brinell 455, Rockwell C48

## FIBREGLASS ROUND HANDLE BOLT CUTTERS

The jaws are made from forged high tensile steel. Designed for cutting spring wire, guy wire, hardened chains, high tensile bolts and other hard materials. The handles are filled with unicellular foam and tested to ASTM standards.

Part #	HRC15	HRC31	HRC42	Length	Repl. Head
	Brinell 200 Soft Mat'l	Brinell 300 Med. Mat'l	Brinell 400 Hard Mat'l		
<b>BC14F</b>	1/4"	1/4"	3/16"	14"	BC14RB
<b>BC18F</b>	5/16"	1/4"	1/4"	18"	BC18RB
<b>BC24F</b>	3/8"	5/16"	5/16"	24"	BC24RB
<b>BC30F</b>	1/2"	3/8"	11/32"	30"	BC30RB
<b>BC36F</b>	5/8"	15/32"	3/8"	36"	BC36RB





## STANDARD BOLT CUTTERS

- Unique cam bolt blade adjustment for easy cutter alignment
- Forged steel blades for long life
- Clevis-mounted blades for greater strength
- Custom rubber grips for maximum power

Part #	Handle Material	Cutting Range	Length	Repl. Head
<b>BC14</b>	Rubber	1/4"	14"	11281
<b>BC18</b>	Rubber	5/16"	18"	11301
<b>BC24</b>	Rubber	3/8"	24"	11306
<b>BC30</b>	Rubber	1/2"	30"	11316
<b>BC36</b>	Rubber	5/8"	36"	11321



## HEAVY-DUTY CABLE CUTTER

Strong, lightweight fiberglass handles. Adjustable pivot bolt provides for blade adjustment. Replaceable, forged, heat treated, and precision ground blades.

Part #	Cable	Length	Capacity
<b>704</b>	1-1/4"	21"	350 MCM
<b>705</b>	1-3/4"	25-1/2"	500 MCM
<b>706</b>	1-1/2"	31-1/2"	750 MCM



## SHEAR TYPE CABLE CUTTERS

Lightweight fiberglass handles with alloy steel jaws. Used to cut soft aluminum & copper power cable and communications cable.



Part #	Capacity	Max Insul. Diameter	Length
<b>CC-500</b>	500 MCM	1.25"	21"
<b>CC-1000</b>	1000 MCM	1.90"	32"



Part #	Copper Cable	Aluminium Cable	Comm. Cable	Length
<b>0290FCS</b>	500 MCM	750MCM	1.37"	25"
<b>0390FCS</b>	750 MCM	1200 MCM	1.75"	32"

## SHEAR TYPE COMMUNICATIONS CABLE CUTTERS

Communications cable cutters with steel handles. Shear-cut blades give a clean, sharp cut with minimal distortion. Do NOT cut hard cable, ACSR, self-supporting strand or steel.

Part #	Cutting Capacity	Length	Repl. Head
<b>0190CSP</b>	1"	23"	0119CSP
<b>0390CSP</b>	2.25"	37"	0319CSS



**SHEAR TYPE WIRE ROPE CUTTERS**

Heavy-duty cutters with steel handles. Notched, shear-cut blades hold and lock cable in cutting position. Cuts wire rope, hard stainless steel cable and aircraft cable with minimal distortion.



Part #	Cutting Capacity	Length	Repl. Head
<b>1490MTN</b>	1/4"	14"	1413TN
<b>0190MTN</b>	3/8"	24"	0113TN
<b>0390MTN</b>	5/8"	36"	0313TN
<b>0590MTN</b>	3/4"	42"	0513TN

**COMPACT CABLE CUTTERS**

High-leverage jaws with shear-cut blades. These cutters have plastic covered, non-slip grips and fit into most tool pouches. Do NOT cut ACSR or steel.



Part #	Copper Cable	Aluminium Cable	Length
<b>63050</b>	2/0	4/0	9"

**HAND-HELD RATCHETING SOFT CABLE CUTTERS**

**22-RCC10**  
**400 MCM**  
**Stranded**  
Copper/Aluminum



**22-RCC20**  
**750 MCM**  
**Stranded**  
Copper/Aluminum



**22-RCC30**  
**Ratchet Telcutter**

For cutting stapeth and OSP communication cable. Not for cutting ACSR or Steel Cable. Ratchet type jaws with shear cut blades. Cut cable cleanly, leaving no burrs or sharp edges.

**PRECISION CABLE CUTTERS**

These quality tools provide cutting ease, minimum cable distortion and long life. They offer a rapid advance system to quickly close the jaws around the wire. The fiberglass handles meet ASTM F711.

Part #	Length	Capacity
<b>22RCC750</b>	20"	750 MCM Cu/Alum
<b>22-RCC1000</b>	20"	2000 MCM Cu/Alum



**6990FS**  
**Ratchet**  
**Cable Cutter**  
Cuts up to 500 MCM stranded copper and 795 aluminum wire. 14" overall length.

**WARNING:** These tools are NOT considered insulated.  
Do not attempt to cut energized conductors with any of these cutters.

## HAND-HELD RATCHETING ACSR CABLE CUTTERS



### 22-RACSR10

#### ACSR Cutter

Cuts up to 336 single-strand ACSR.



### 22RACSR ACSR Cutter

The wide jaws accept up to 556 MCM multi-strand ACSR. The fiberglass handles incorporate a fast advance system that quickly close the blades around the wire.



### 63800 ACSR Cutter

The replaceable cutting blades can easily cut through multi-strand 477 MCM ACSR. It also cuts up to 1-1/4" copper/aluminum, 1" solid copper and 1/2" guy wire; not for EHS. Weighs 3.2 lbs. and is 13-3/4" long.

### TE63858 Replacement Blades

**WARNING:** These tools are NOT considered insulated.  
Do not attempt to cut energized conductors with any of these cutters.

## HARD CABLE RATCHET CUTTERS



8690CK



8690FH



8690TN



8690FH Jaws Shown

Part #	ACSR, ACAR	EHS Guy Strand	Aircraft Cable	Wire Rope Stainless Steel	Mild Steel Rod, Bolts	Telephone Cable (self-supporting)	Length	Repl. Cutterhead
8690CK	--	.50"	--	--	.50"	--	28"	8613CK
8690FH	1.18"	--	--	--	--	1.18"	29-1/4"	8613FH
8690TN	--	.63"	.63"	.63"	--	--	36"	8613TN

## SOFT CABLE RATCHET CUTTERS



8690CS



8790CS



8690FSK



8790FSK

Part #	Copper & Aluminium Power	Copper & Aluminium Communication	Rubber & Lead Covered	Length	Repl. Cutterhead
8690CS	3"	3"	3"	29-3/4"	8613CS
8690FSK	2"	2"	2"	27-1/2"	8613FSK
8790CS	3"	3"	--	27-1/2"	8713CS
8790FSK	2"	2"	--	27-1/2"	8713FSK



## S-SERIES Handheld Hydraulic Cutters

S-Series tools cut anything from guy wire\* to anchor rod and most overhead and underground cables. The S-series cutters are portable, lightweight, and made to last years under the toughest field conditions. The S-40B and S-85 feature a two stage pumping piston for rapid advance.

The new S-240CC, S-32CC and SP-24CC hydraulic cutters were specially engineered to cut the toughest EHS guy wire, ground and anchor rods. The SP-24CC is the remote head version, which requires an external 10,000 psi pump in order to operate. The anvil style, center cut blades eliminate jamming problems common to shear style cutters, and the blades are easily replaced in the field. The tools are made of high grade steel and have rubber handle grips. All tools are black zinc oxide coated to help reduce corrosion. A flip-top latch opens the tool jaw to easily accept cables and wires. The head can be rotated up to 180° to facilitate easy wire positioning and operator leverage.

Consult the chart below to pick the proper cutter for your needs.

**\*NOTE: DO NOT CUT EHS GUY WIRE. FOR EHS GUY WIRE SPECIFY S-240CC, S-32CC OR THE REMOTE HEADS SP-24CC OR SP-32CC1.**

SPECIFICATIONS									
Model	S-16	S-20	S-240	S-32	S-40B	S-55	S-85	S-240CC	S-32CC
Output	4.4 Ton	4.4 Ton	7.8 Ton	19.8 Ton	6.3 Ton	13 Ton	2.7 Ton	7.8 Ton	19.8 Ton
Weight	6 lbs.	6 lbs.	9 lbs.	21 lbs.	12 lbs.	17 lbs.	15 lbs.	11 lbs.	23 lbs.
Length	15"L	15"L	17"L	27"L	23"L	24"L	26"L	18.5"L	27"L
Jaw									
Opening	.6"	.75"	.9"	1.25"	1.6"	2"	3.3"	.9"	1.25"

CAPACITIES									
Wire Ropes	16mm 5/8"	20mm 3/4"	22mm 7/8"	32mm 1-1/4"	20mm 3/4"	26mm 1"	Do Not Cut	Do Not Cut	Do Not Cut
Soft Steel	16mm	17mm	22mm	32mm	20mm	32mm	Do Not Cut	16mm	26mm
Bolts	5/8"	11/16"	7/8"	1-1/4"	3/4"	1-1/4"	5/8"	1"	
Rebar,									
Ground & Anchor Rod	13mm 1/2"	13mm 1/2"	16mm 5/8"	22mm 7/8"	16mm 5/8"	20mm 3/4"	Do Not Cut 5/8"	16mm 1"	26mm
Cu & Al Wire	16mm 5/8"	20mm 3/4"	22mm 7/8"	32mm 1-1/4"	40mm 1-1/2"	50mm 2"	76mm 3"	Do Not Cut	Do Not Cut
ACSR	16mm 5/8"	20mm 3/4"	22mm 7/8"	32mm 1-1/4"	40mm 1-1/2"	50mm 2"	Do Not Cut	Do Not Cut	Do Not Cut
Standard Guy Wire	13mm 1/2"	14mm 1/2"	16mm 5/8"	22mm 7/8"	16mm 5/8"	20mm 3/4"	Do Not Cut	14mm 9/16" EHS	22mm 7/8" EHS
Telephone & Lead Sheathed Cable	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	85mm 3.35"	Do Not Cut	Do Not Cut
Chain	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	1/4"	1/2"

**S-SERIES** Handheld Hydraulic Cutters**S-16****S-20****S-240****S-240CC****S-32****S-32CC****S-40B****S-55****S-85**

## SP-SERIES Hydraulic Operated Remote Cutting Heads

The SP-SERIES remote head units connect to any 10,000 psi, high pressure, hydraulic pumping system. Choose from seven different models of production cutters, to cut costs and efforts. A 3/8" screw-type male coupler is supplied with each tool. Huskie Tools remote cutters have a hinged head which can be opened for easy cable or bar insertion. The movable blade advances in a shear fashion, to cut the material cleanly. When the cutting pressure is relieved an internal ram spring retracts the blade. The guillotine cutting style was chosen over scissor type cutting because of its powerful output force, larger cable capacities, compact size and reliability.

All tools can be used under water, consult factory for specific applications.

**NOTE: FOR EHS GUY WIRE SPECIFY S-24CC, S-32CC OR THE REMOTE HEAD SP-24CC.**

### FEATURES

- Lightweight and Portable
- Operate from Any 10,000 psi Hydraulic Source
- Works in Any Position

### SPECIFICATIONS

Model	SP-20	SP-24	SP-24CC	SP-32	SP-32CC1	SP-35	SP-40	SP-55	SP-85	SP-100
Output	4.4 Ton	7.8 Ton	7.8 Ton	20 Ton	24 Ton	6.2 Ton	6.28 Ton	13 Ton	2.7 Ton	8.3 Ton
Weight	3 lbs.	6 lbs.	21 lbs.	21 lbs.	26 lbs.	8 lbs.	8.5 lbs.	20 lbs.	16 lbs.	29 lbs.
Length	8"L	11"L	14"L	14"L	13.5"L	14"L	12"L	17"L	19"L	24"L
Jaw Opening	.75"	.9"	.9"	1.25"	1.25"	1.3"	1.6"	2"	3.3"	4"

### CAPACITIES

Wire Ropes	20mm 5/8"	22mm 7/8"	Do Not Cut	32mm 1-1/4"	Do Not Cut	Do Not Cut	20mm 3/4"	26mm 1"	Do Not Cut	Do Not Cut
Soft Steel Bolts	14mm 9/16"	20mm 3/4"	16mm 5/8"	32mm 1-1/4"	26mm 1"	14mm 9/16"	16mm 5/8"	32mm 1-1/4"	Do Not Cut	Do Not Cut
Rebar, Ground & Anchor Rod	13mm 1/2"	16mm 5/8"	16mm 5/8"	26mm 1"	26mm 1"	13mm 1/2"	16mm 5/8"	20mm 3/4"	Do Not Cut	Do Not Cut
Cu & Al Wire	20mm 3/4"	22mm 7/8"	Do Not Cut	32mm 1-1/4"	Do Not Cut	800 MCM	40mm 1-1/2"	50mm 2"	76mm 3"	3-1/2"
ACSR	20mm 3/4"	22mm 7/8"	Do Not Cut	32mm 1-1/4"	Do Not Cut	336 MCM	40mm 1-1/2"	50mm 2"	Do Not Cut	Do Not Cut
Standard Guy Wire	14mm 1/2"	16mm 5/8"	14mm 9/16" EHS	22mm 7/8"	22mm 7/8" EHS	14mm 1/2"	16mm 5/8"	20mm 3/4"	Do Not Cut	Do Not Cut
Chain	Do Not Cut	Do Not Cut	1/4"	Do Not Cut	1/2"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut
Comm. Cables	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	3.35"	4"
Lead Sheath Cables	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	3.35"	4"

## SP-SERIES Hydraulic Operated Remote Cutting Heads



SP-20



SP-24



SP-24CC



SP-32



SP-32CC1



SP-35



SP-40



SP-55



SP-85



SP-100



## YSP-SERIES Scissor Cutter Remote Heads



YSP-30



YSP-34



YSP-60



YSP-85YC

SPECIFICATIONS				
Model	YSP-30	YSP-34	YSP-60	YSP-85YC
Output	4.4 Ton	4.4 Ton	6.6 Ton	8 Ton
Weight	6 lbs.	6 lbs.	6 lbs.	10.5 lbs.
Length	12"	12"	12"	18"
CAPACITIES				
ACSR	477	Do Not Cut	Do Not Cut	Do Not Cut
Copper	500 MCM*	800 MCM	750 MCM	1000 MCM
Aluminum	1.18" O.D.	1.24" O.D.	1.18" O.D.	3"
Telecommunication	Do Not Cut	Do Not Cut	Do Not Cut	3"
Lead Sheath	Do Not Cut	Do Not Cut	Do Not Cut	2.5"

\* Will not cut ALL 500 MCM copper cable-consult factory.

The **YSP-Series** tools are remote cutting heads to be used with a 10,000 psi pumping source.

**YSP-30** can cut ACSR up to 477 and copper and aluminum cables up to 1.18" O.D. WILL NOT CUT 4/0 Penguin or 3/0 Pigeon ACSR cables.

**YSP-34** is designed to cut 800 MCM hard drawn copper cable. DO NOT CUT STEEL.

**YSP-60** is similar to the YSP-30, except it has a 2" cable capacity and is ideal for aluminum cables up to 2" O.D. and 500MCM Copper. DO NOT CUT STEEL.

**YSP-85YC** is designed to cut various cables, including copper up to 1000 MCM and Aluminum up to 3". DO NOT CUT STEEL.

### HTADPT

Hot Stick Adapter



## DA-12 Hydraulic Low Pressure 4" Cable Cutter



The **DA-12** hydraulic hand-held, cable cutter can be operated directly from the utility line truck. At 2,500 psi pressure it can cut four-inch lead sheath cables as well as 4200 pair communications cables. A 6 ton cutting force is produced at 2,500 psi pressure, less than 2,500 psi will reduce the cutting capacity. It operates on open center trucks and comes with HTMA couplers.

The four inch jaws slice through lead, copper and aluminum cables cleanly and without jamming because of the double-acting system. The DA-12 is portable, with non-slip, knurled handles and a safety ring. It has a positive open and close position and a special built-in safety trigger. It stops when you stop.

### SPECIFICATIONS

Output	6 Ton at 2,500 psi
Weight	31 lbs.
Size	15" x 15" x 17"

### CUTTING CAPACITIES

Lead Sheath	4"
Comm. Cables	4200 pair

### FEATURES

- Operates on 2500 psi
- 4" Jaw Opening
- Safety Trigger



# ALL FOR ONE,



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**ALL FOR ONE,  
ONE FOR ALL**

One Huskie Tools 14.4 Volt Battery allows you to operate all of our ROBO Battery Powered Cutting and Crimping Tools

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# ONE FOR ALL



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## HUSKIE BATTERY OPERATED CUTTERS

### REC-530Y-AT ROBO\***CUT**™

6.6 Ton Cutting Tool with  
1-3/16" Jaw Opening

#### SPECIFICATIONS

Output	6.6 Ton
Weight	11.4 lbs. with Battery
Size	15"L x 12"H x 2.5"W
Jaw Opening	1-3/16"

#### CUTTING ESTIMATES

	BP-80
500 MCM Cu	110

#### CUTTING CAPACITIES

Bar	DO NOT CUT
ACSR	336 MCM
Copper	500 MCM*
Aluminum	1.18" O.D.
Standard Guy Wire	3/8" Max.

#### FEATURES

- Open Scissor Jaw for Easy Cable Insertion
- Tested Up to 75kV
- One Hand Operation
- Rotational Head
- Rapid Advance
- Ergonomically Balanced
- Ergonomic Pistol Grip Handle
- Weather Resistant Housing
- Overload Bypass Protection
- Comes with 2 batteries, AC Charger & Case
- 5 Year Warranty on Tool, Battery & Charger

*\*Will not cut ALL 500 MCM copper cable-consult factory.*

*Due to material composition, the ratings are to be used as a guide. Actual capacity may vary due to "bypass" feature.*



The **REC-530Y-AT** was designed to cut ACSR cables up to 336 MCM, as well as copper cables up to 500 MCM and aluminum cables up to 1.18" outside diameter.

The hydraulic system features a rapid advance for reduced cycle times. All cuts are clean with a minimal amount of cable distortion, which allows for easy connector installation on cables. The open "C" type jaw is very convenient for the operator when reaching out to cut cable opposed to latching the cutter jaw around the cable. The head can be rotated 180° for greater maneuverability in tight working quarters. The keeper plate on the REC-530Y prevents jaws from spreading apart when cutting ACSR.

**NOTE:** This tool is not recommended for cutting 4/0 Penguin or 3/0 Pigeon ACSR Cables

## HUSKIE BATTERY OPERATED CUTTERS



### REC-534YC-AT ROBO\*<sup>®</sup>CUT™

6.6 Ton Cutting Tool with  
1-3/8" Jaw Opening

#### SPECIFICATIONS

Output	6.6 Ton
Weight	11.4 lbs. with Battery
Size	15"L x 12"H x 2.5"W
Jaw Opening	1-3/8"

#### CUTTING ESTIMATES

	BP-80
500 MCM Cu	110
750 MCM Cu	90

#### CUTTING CAPACITIES

ACSR	DO NOT CUT
Copper	800 MCM
Aluminum	1.4" O.D.

#### FEATURES

- Open Scissor Jaw for Easy Cable Insertion
- Tested Up to 75kV
- One Hand Operation
- Rotational Head
- Rapid Advance
- Ergonomically Balanced
- Ergonomic Pistol Grip Handle
- Weather Resistant Housing
- Overload Bypass Protection
- For Copper and Aluminum Only
- Comes with 2 batteries, AC Charger & Case
- 5 Year Warranty on Tool, Battery & Charger

*Due to material composition, the ratings are to be used as a guide. Actual capacity may vary due to "bypass" feature.*

Large copper cable cutting is finally made easy with the **REC-534YC-AT** – just pull the trigger and 6.6 tons immediately goes to work for you. The hydraulic system now features a rapid advance for reduced cycle times. This tool is similar to the REC-530Y, but has a slightly larger jaw opening without a "keeper" guard. Its sharp blades are rated for copper and aluminum cables only, up to 800 MCM or 1.4" Al outside diameter.

The open "C" type jaw is very convenient for the operator when reaching out to cut cable, as opposed to latching a cutting jaw around the cable. The jaws will accept a maximum of 800 MCM copper or aluminum cables up to 1.4". Distortion of the cable is minimal and cables can still be sleeved easily. Once the cable is severed, the cutter blades can be opened by the push of the release trigger located below the activation trigger – one finger is all that is needed to cut and release the tool.

**NOTE:** DO NOT CUT STEEL.

## HUSKIE BATTERY OPERATED CUTTERS

### REC-560YC-AT ROBO\***CUT**™

6.6 Ton Scissor-Type Cutting Tool with 2.5" Jaw Opening

#### SPECIFICATIONS

Output	6.6 Ton
Weight	11.2 lbs. with Battery
Size	16"L x 12"H x 2.5"W
Jaw Opening	2.5"

#### CUTTING ESTIMATES

	BP-80
500 MCM Cu	130
500 MCM Cu	110

#### CUTTING CAPACITIES

ACSR	DO NOT CUT
Copper	500 MCM*
Aluminum	2" O.D.

#### FEATURES

- Open Scissor Jaw for Easy Cable Insertion
- Tested Up to 75kV
- One Hand Operation
- Rotational Head
- Rapid Advance
- Ergonomically Balanced
- Ergonomic Pistol Grip Handle
- Weather Resistant Housing
- Overload Bypass Protection
- Specifically Designed to Cut Large Jacketed Underground Cable
- For Copper and Aluminum Only
- Comes with 2 batteries, AC Charger & Case
- 5 Year Warranty on Tool, Battery & Charger

\*Will not cut ALL 500 MCM copper cable-consult factory.

Due to material composition, the ratings are to be used as a guide. Actual capacity may vary due to "bypass" feature.



The **REC-560YC-AT** works well for most underground aluminum cable cutting applications. It was designed to cut copper cables up to 500 MCM and aluminum up to 2" maximum outside diameter. The extra wide jaws make cutting the larger diameter underground cables easier. The hydraulic system is designed the same as the REC-558U featuring a rapid advance ram to reduce cycle time.

Because of the larger cutting surface of the blades, the maximum size copper cable that can be cut is 500 MCM. Larger cables will simply cause the cutter to bypass, which is a built-in overload safety device to prevent damage to the tool.

The large jaws can be placed over cables that lie flat on the ground and the cables will be scooped up as the cutting jaws are closed. All cuts are clean so that there is minimal cable distortion for cable sleeving purposes.

**NOTE:** DO NOT CUT STEEL.

## HUSKIE BATTERY OPERATED CUTTERS

### REC-585YC-AT ROBO\* CUT™

9 Ton Scissor-Type Cutting Tool  
with 3.3" Jaw Opening



#### SPECIFICATIONS

Output	9 Ton
Weight	15.5 lbs. with Battery
Size	20"L x 12"H x 8"W
Jaw Opening	3.3"

#### CUTTING ESTIMATES

	BP-80
1000 MCM Al	60
1000 MCM Cu	90

#### CUTTING CAPACITIES

ACSR	DO NOT CUT
Aluminum	3"
Telecommunication	3"
Lead Sheath	2.5"

#### FEATURES

- Open Scissor Jaw for Easy Cable Insertion
- Tested Up to 75kV
- One Hand Operation
- Rotational Head
- Rapid Advance
- Ergonomically Balanced
- Ergonomic Pistol Grip Handle
- Weather Resistant Housing
- Overload Bypass Protection
- Sidebar Handle for Stability and Balance
- For Copper and Aluminum Only
- Comes with 2 batteries, AC Charger & Case
- 5 Year Warranty on Tool, Battery & Charger

The **REC-585YC-AT** is designed to cut copper and aluminum cables as well as lead-sheathed telecommunication cables. The extremely large jaws and scissor-type blades allow for easy cutting of large underground cables. The sidebar handle allows the user to stabilize and balance the tool.

This tool also has a built-in bypass cartridge to avoid cutter damage for those cables that are beyond the cutter's capacity. The open jaw design allows the user to scoop up cables that are against a wall, in hard to reach areas and on the ground.

**NOTE:** DO NOT CUT STEEL.

*Due to material composition, the ratings are to be used as a guide. Actual capacity may vary due to "bypass" feature.*



## HUSKIE BATTERY OPERATED CUTTERS

### REC-50U-AT ROBO\*SLICE™

Gear-Driven Cable Cutter with  
2" Jaw Opening

#### SPECIFICATIONS

Weight	6 lbs. with Battery
Size	14.5"L x 4"H x 4.5"W
Jaw Opening	2"

#### CUTTING ESTIMATES

	BP-80
1000 MCM Cu	40
1500 MCM Al	50

#### CUTTING CAPACITIES

Aluminum	1500 MCM
Copper	1000 MCM*

#### FEATURES

- Tested Up to 75kV
- One Hand Operation
- Ergonomically Balanced
- Weather Resistant Housing
- Overload Circuit Breaker Protection
- For Copper and Aluminum Only
- Comes with 2 batteries, AC Charger & Case
- 5 Year Warranty on Tool, Battery & Charger

*\*Due to material composition, the ratings are to be used as a guide. Actual capacity may vary due to overload circuit breaker protection feature.*

*DO NOT CUT STEEL OR ACSR. Consult factory for more information on cutting copper cable.*



The **REC-50U-AT** battery operated slicing tool cuts 2" cable with the touch of a finger. It features a powerful gear reduction motor that pulls a moveable blade through the toughest copper and aluminum cables.

The ROBO\*SLICE comfortably fits into the lineman's gloved hand, and repetitive ratcheting movement is entirely eliminated. Just a squeeze of the rocker arm trigger is all it takes to make a cut and almost no muscle power is needed. As a result, the risk of sprains, strains, and lost time due to muscle related injuries can be significantly reduced.

The moveable blade has wide gear teeth for extra power and full cutting traction. Gear guides are attached on both ends of the movable blade to align the gear teeth with the internal pinion gear.

## HUSKIE BATTERY OPERATED CUTTERS



The **REC-54ACM-AT** was designed to cut stranded copper cables and aluminum. The jaws will accept a maximum of 1500 MCM aluminum. The operation of this tool is the same as the REC-54M, but it has sharper blades for cutting only non-ferrous materials. Do not cut steel with this model, or blade damage will occur.

The REC-54ACM comfortably fits into the lineman's gloved hand, and repetitive ratcheting movement is entirely eliminated. We have rotated the handle 90° to the blade to achieve a more ergonomic and comfortable cutting position. Just a squeeze of the trigger is all it takes to make a cut and almost no muscle power is needed. As a result, the risk of sprains, strains, and lost time due to muscle related injuries can be significantly reduced.

The moveable blade has wide gear teeth for extra power and full cutting traction. Gear guides are attached on both ends of the movable blade to align the gear teeth with the internal pinion gear.

### REC-54ACM-AT ROBO\*SLICE™

Gear-Driven Cable Cutter with  
2-1/8" Jaw Opening

#### SPECIFICATIONS

Weight	7.2 lbs. with Battery
Size	16"L x 4"H x 4.5"W
Jaw Opening	2-1/8"

#### CUTTING ESTIMATES

	BP-80
1000 MCM Cu	25
1500 MCM Al	30

#### CUTTING CAPACITIES

Aluminum	1500 MCM
Copper	1000 MCM*

#### FEATURES

- Improved Ergonomic Handle
- 2-1/8" Jaw Opening
- Cuts up to 1500 MCM Al
- One Hand Operation
- Safety Lockout Switch
- Upgraded Motor and Gear System
- Comes with 2 batteries, AC Charger & Case
- 5 Year Warranty on Tool, Battery & Charger

*\*Due to material composition, the ratings are to be used as a guide. Actual capacity may vary due to overload circuit breaker protection feature.*

*DO NOT CUT STEEL OR ACSR. Consult factory for more information on cutting copper cable.*

## HUSKIE BATTERY OPERATED CUTTERS

### REC-54M-AT ROBO\*SLICE™

Gear-Driven Cable Cutter  
with Notched Blade &  
2-1/8" Jaw Opening

#### SPECIFICATIONS

Weight	8 lbs. with battery
Size	15.5"L x 4.5"H x 5"W
Jaw Opening	2-1/8"

#### CUTTING ESTIMATES

	BP-80
1590 MCM ACSR	35+

#### CUTTING CAPACITIES

Copper	750 MCM
Aluminum	1500 MCM
ACSR	1590 MCM*

#### FEATURES

- improved ergonomic handle
- 2-1/8" jaw opening
- cuts up to 1500 mcm al
- One hand operation
- safety lockout switch
- upgraded motor and gear system
- comes with 2 batteries, ac charger & case
- 5 year warranty on tool, battery & charger

\* NOT INTENDED FOR USE ON 795 DRAKE.

*Due to material composition, the ratings are to be used as a guide. Actual capacity may vary due to overload circuit breaker protection feature.*



The **REC-54M-AT** is a heavy duty cable cutter primarily used to cut ACSR. It will cut up to 1590 MCM ACSR\* and copper cables up to 750 MCM. The large jaw opening will also accommodate aluminum cables up to 1500 MCM. Huskie Tools has notched both cutting blades to avoid the denting of the cutting surfaces when steel strand is encountered. We have rotated the handle 90° to the blade to achieve a more ergonomic and comfortable cutting position.

FOR CLEAN CUTS ON COPPER & ALL ALUMINUM CABLE  
PLEASE REFER THE REC-50U, REC-54AC & THE REC-54ACM.

This tool also incorporates a blade retainer, which keeps the blades from spreading apart while cutting steel cables. The REC-54M was designed for single and multistranded steel cores and aluminum cables. The powerful motor & gear drive allow the operator to cut through the toughest cables with just the pull of the trigger.

**NOTE:** The REC-54M is not intended to cut guy wires, ground rod or bolts.

## HUSKIE BATTERY OPERATED CUTTERS



The **REC-Y33-AT** cable cutter is used to cut up to 636 ACSR and up to 500 MCM\* copper cables. The open jaw makes it easy to insert cables for one handed operation. The jaw, which incorporates a blade retainer, keeps the blade from spreading apart when cutting cable with a steel core.

It features a lock-out switch for reversing the blade direction all-with one handed operation. The powerful gear drive allows the operator to quickly cut some of the toughest cables with ease.

**NOTE:** The REC-Y33 will not cut guy wire, ground rod anchor rod or bolts.

### REC-Y33-AT ROBO\*SLICE™

Gear-Driven Scissor Cutter  
with 1.5" Jaw Opening

#### SPECIFICATIONS

Weight	7.2 lbs. with Battery
Size	16"H x 4"L x 4.5"W
Jaw Opening	1.25"

#### CUTTING ESTIMATES

	BP-80
636 ACSR	60

#### CUTTING CAPACITIES

Copper	500 MCM*
Aluminum	Up to 1-1/4" O.D.
ACSR	636 MCM

#### FEATURES

- Tested up to 75kV
- One hand operation
- Ergonomically balanced
- Weather resistant housing
- Overload circuit breaker protection
- Comes with 2 batteries, AC charger & case
- 5 year warranty on tool, battery & charger

\* Consult factory for more information on cutting 500 MCM copper cable.

*Due to material composition, the ratings are to be used as a guide. Actual capacity may vary due to overload circuit breaker protection feature.*



## HUSKIE BATTERY OPERATED CUTTERS

### SL-S20-AT ROBO\*SLICE™

6 Ton Streamline Cutting Tool  
with .75" Jaw Opening



LED lights on both  
sides of tool



#### SPECIFICATIONS

Output	6 Ton
Weight	6 lbs. with Battery
Size	19"
Jaw Opening	.75"

#### CUTTING ESTIMATES

	BP-80
336 ACSR	90
1/2" Wire Rope	90
1/2" Rebar	60
1/2" Ground Rod	60
3/8" Guy Wire	45

#### CUTTING CAPACITIES

Wire Rope	5/8"
Rebar (Sc 40)	1/2"
Rebar (Sc 60)	3/8"
Ground Rod	1/2"
ACSR	477 MCM
Guy Wire	3/8"

#### FEATURES

- Flip-top latching head
- Tested up to 75kV
- One hand operation
- Rotational head
- Rapid advance
- Comes with 2 batteries, AC charger & case
- 5 year warranty on tool, battery & charger

#### OPTIONAL ACCESSORIES

SL-HLSTR Huskie Tools Holster



The **SL-S20-AT** was designed to cut the toughest steel used in construction today. It can replace an entire tool kit, including several sizes of conventional bolt cutters, hacksaws, acetylene torches and cable cutters.

With the pull of a trigger, you can cut ACSR cables up to 477, standard guy wires to 3/8", and ground rods to 1/2". The specially designed flip-top latch and rotating head provide exceptional ease of use and maneuverability in tight working quarters.



## HUSKIE BATTERY OPERATED CUTTERS

### REC-S520-AT ROBO\* CUT™

6.6 Ton Battery Powered Cutter  
with .75" Jaw Opening

#### SPECIFICATIONS

Output	6.6 Ton
Weight	9.5 lbs. with Battery
Size	12"L x 12"H x 2.5"W
Jaw Opening	.75"

#### CUTTING ESTIMATES

	BP-80
336 ACSR	90
1/2" Wire Rope	90
1/2" Rebar	60
1/2" Ground Rod	60
3/8" Guy Wire	40

#### CUTTING CAPACITIES

Wire Rope	5/8"
Rebar (Sc 40)	1/2"
Rebar (Sc 60)	3/8"
Ground Rod	1/2"
ACSR	477 MCM
Guy Wire	3/8"

#### FEATURES

- Flip-top latching head
- Tested up to 75kV
- One hand operation
- Rotational head
- Rapid advance
- Ergonomically balanced
- Ergonomic pistol grip handle
- Weather resistant housing
- Overload bypass protection
- Comes with 2 batteries, AC charger & case
- 5 year warranty on tool, battery & charger

*Due to material composition, the ratings are to be used as a guide. Actual capacity may vary due to "bypass" feature.*



**20-07**  
REC-S520 Replacement Blade



The **REC-S520-AT** was designed to cut the toughest steel used in construction today. It can replace an entire tool kit, including several sizes of conventional bolt cutters, hacksaws, acetylene torches and cable cutters. The REC-S520 was designed from the same hydraulic system as the REC-558U featuring a rapid advance ram for reduced cycle times.

With the pull of a trigger, you can cut ACSR cables up to 477, standard guy wires to 3/8", and ground rods to 1/2". The specially designed flip-top latch and rotating head provide exceptional ease of use and maneuverability in tight working quarters. The REC-S520 has an overload bypass that will "kick out" when the tool reaches 6.6 tons or is attempting to cut cables beyond its capacities.

**NOTE:** DO NOT CUT EHS GUY WIRE OR CASE HARDENED STEEL RODS. SEE REC-S524CC, S-24CC, SP-24CC, S-32CC OR SP-32CC1.

## HUSKIE BATTERY OPERATED CUTTERS



The **REC-S524H-AT** was designed to cut the toughest steel used in construction today. It can replace an entire tool kit, including several sizes of conventional bolt cutters, hacksaws, acetylene torches and cable cutters. The REC S524H was designed from the same hydraulic system as the REC-558U featuring a rapid advance ram for reduced cycle times.

With the pull of the trigger, you can cut ACSR cables up to 477, standard guy wires to 5/8", and ground rods to 5/8". The specially designed flip-top latch and rotating head provide exceptional ease of use and maneuverability in tight working quarters. The REC-S524H has an overload bypass, which will "kick out" when tool reaches 8 tons or is attempting to cut materials beyond its capacities.

**NOTE:** DO NOT CUT CASE HARDENED STEEL RODS.  
SEE REC-S524CC, S-24CC, SP-24CC, S-32CC OR SP-32CC1.

### REC-S524H-AT ROBO\***CUT**™

8 Ton Battery Powered Cutter  
with .95" Jaw Opening

#### SPECIFICATIONS

Output	8 Ton
Weight	10 lbs. with Battery
Size	12.5"L x 12"H x 2.5"W
Jaw Opening	.95"

#### CUTTING ESTIMATES

	BP-80
336 ACSR	90
1/2" Wire Rope	90
1/2" Rebar	60
1/2" Ground Rod	60
Guy Wire	40

#### CUTTING CAPACITIES

Wire Rope	7/8"
Rebar (Sc 40)	5/8"
Rebar (Sc 60)	1/2"
Ground Rod	5/8"
ACSR	477 MCM
Guy Wire	5/8"
Guy Wire (EHS)	7/16"

#### FEATURES

- Flip-top latching head
- Tested up to 75kV
- One hand operation
- Rotational head
- Rapid advance
- Ergonomically balanced
- Ergonomic pistol grip handle
- Weather resistant housing
- Overload bypass protection
- Comes with 2 batteries, AC charger & case
- 5 year warranty on tool, battery & charger

*Due to material composition, the ratings are to be used as a guide. Actual capacity may vary due to "bypass" feature.*



**24-08**

REC-S524H Replacement Blade



## HUSKIE BATTERY OPERATED CUTTERS

### REC-S524CC-AT ROBO\*<sup>®</sup>CUT™

8 Ton Cutting Tool with  
.95" Jaw Opening

#### SPECIFICATIONS

Output	8 Ton
Weight	10 lbs. with Battery
Size	12.5"L x 12"H x 2.5"W
Jaw Opening	.95"

#### CUTTING ESTIMATES

	BP-80
477 ACSR	90
1/2" Rebar	60
1/2" Ground Rod	60
3/8" Guy Wire	40

#### CUTTING CAPACITIES

ACSR	477 MCM
Standard Guy Wire	5/8"
EHS Guy Wire	9/16"
Ground Rod	5/8"
Rebar (Sc 40)	5/8"

#### FEATURES

- Flip-top latching head
- Tested up to 75kV
- One hand operation
- Rotational head
- Rapid advance
- Ergonomically balanced
- Ergonomic pistol grip handle
- Weather resistant housing
- Overload bypass protection
- Comes with 2 batteries, AC charger & case
- 5 year warranty on tool, battery & charger

*Due to material composition, the ratings are to be used as a guide. Actual capacity may vary due to "bypass" feature.*



**24C-08**

REC-S524CC Replacement Blade



The **REC-S524CC-AT** was designed to cut the toughest steel used in construction today. It can replace an entire tool kit, including several sizes of conventional bolt cutters, hacksaw, acetylene torches and cable cutters. The REC-S524CC was designed from the same hydraulic system as the REC-558U featuring a rapid advance ram for reduced cycle times.

The specially designed anvil style blades were made to cut EHS up to 9/16" and with the pull of the trigger, you can cut ACSR cables up to 477 MCM, standard guy wires to 5/8", and ground rods to 5/8". The specially designed flip-top latch and rotating head provide exceptional ease of use and maneuverability in tight working quarters. The REC-S524CC has an overload bypass, which will "kick out" when tool reaches 8 tons or is attempting to cut cables beyond its capacities.



## HUSKIE BATTERY OPERATED CUTTERS



The **REC-S540-AT** is designed to cut up to 1590 ACSR and regular guy wires and ground rod up to 5/8". The REC-S540 is ideal for aerial bucket work and trench operations. It features a two stage, rapid advance ram for reduced cycle times. This cutter is made for one-handed operation. Simply remove the pin latch, place over cable, reinsert pin, and cut. A built-in bypass will pop off if the material is beyond the cutter's capacity. It is not recommended to cut hardened steel.

**NOTE:** DO NOT CUT EHS GUY WIRE OR CASE HARDENED STEEL RODS. SEE REC-S524CC, S-24CC, SP-24CC, S-32CC OR SP-32CC1.

### REC-S540-AT ROBO\***CUT**™

8 Ton Cutting Tool with  
.6" Jaw Opening

#### SPECIFICATIONS

Output	8 Ton
Weight	14.6 lbs. with Battery
Size	17.5"L x 12.5"H x 2.5"W
Jaw Opening	1.6"

#### CUTTING ESTIMATES

	BP-80
795 ACSR	60
3/4" Wire Rope	90
5/8" Rebar	60
5/8" Ground Rod	60
3/8" Guy Wire	40

#### CUTTING CAPACITIES

Wire Rope	3/4"
Rebar (Sc 40)	5/8"
Rebar (Sc 60)	5/8"
Ground Rod	5/8"
ACSR	1590 MCM
Guy Wire	5/8"
Cu/Al Cable	1.5"

#### FEATURES

- Tested up to 75kV
- One hand operation
- Rotational head
- Rapid advance
- Ergonomically balanced
- Ergonomic pistol grip handle
- Weather resistant housing
- Overload bypass protection
- Comes with 2 batteries, AC charger & case
- 5 year warranty on tool, battery & charger

*Due to material composition, the ratings are to be used as a guide. Actual capacity may vary due to "bypass" feature.*



**40-14**

REC-S540 Replacement Blade

## HUSKIE BATTERY OPERATED CUTTERS

### REC-S3550-AT ROBO\* CUT™

13 Ton Cutting Tool with  
2" Jaw Opening

#### SPECIFICATIONS

Output	13 Ton
Weight	23 lbs. with Battery
Size	21.5"L x 10.5"H x 3.5"W
Jaw Opening	2"

#### CUTTING ESTIMATES

	BP-80
Wire Rope	60
Rebar, Ground & Anchor Rod	45
Cu & Al wire	35
ACSR	45
Standard Guy Wire	30

#### CUTTING CAPACITIES

Wire Rope	1"
Soft Steel Bolts	1-1/4"
Rebar, Ground & Anchor Rod	3/4"
Cu & Al wire	2"
ACSR	2"
Standard Guy Wire	3/4"
Telephone & Lead Sheathed Cable	DO NOT CUT

#### FEATURES

- Tested up to 75kV
- Rotational head
- Rapid advance
- Ergonomically balanced
- Weather resistant housing
- Overload bypass protection
- Most powerful battery operated cutter
- Comes with 2 batteries, AC charger & case
- 5 year warranty on tool, battery & charger

Due to material composition, the ratings are to be used as a guide. Actual capacity may vary due to "bypass" feature.



**55A-10**  
REC-S3550 Replacement Blade



The **REC-S3550-AT** cuts ACSR, guy wire, wire rope, and ground rod. Powerful and portable with a 2" jaw opening. A latch-type jaw swings open to accept material to be cut. The head can be rotated for proper positioning of rod or cable. This is our most versatile cutter patterned after our S-55 hand operated cutter.

**NOTE:** WILL CUT ALL 795 ACSR CABLE, INCLUDING DRAKE.

## ACCESSORIES FOR HUSKIE CUTTERS

### One Battery Works with Every Huskie Tool

One 14.4 Volt Lithium Ion battery powers every Huskie Tools battery operated cutting and compression tool.



#### BP-80 Huskie Tools Lithium-Ion Battery

- High Capacity 3.0Ah Battery Pack
- 50% Longer Run Time as Compared to NiCad
- No Memory Effect
- Lightweight Battery Pack
- Impact Resistant Housing
- The Performance is Minimally Affected by Extreme Temperatures
- Minimal Self-Discharge
- Non-Hazardous Chemistry and Environmentally Safe
- 5 Year Warranty



#### CH-90 Tri-Chemistry Charger

- 110V AC Power Cord
- Tri-Chemistry Charger Able to Charge All Huskie Tools Batteries
- Reconditioning Feature to Accommodate Ni-Cd and Ni-MH Memory Effect
- Maintenance Trickle Charge for Ni-Cd and Ni-MH Batteries
- UL/CUL Agency Approvals
- Monitors Battery Temperature and Battery Voltage for Correct Charging
- 5 Year Warranty
- 1 Hour Charge Time



**CH-ACC: AC Charger Cord**



**CH-DCC: DC Charger Cord  
for CH-90**

**LineStar services and repairs all Huskie Battery Operated Tools**

## LONG REACH INSULATED CUTTING TOOLS



### Insulated Ratchet Cable Cutters

These cable cutters incorporate a 1-1/2" Epoxiglas main pole with a 3/8" fiberglass operating rod and meet OSHA Electrical Rating 1926.951.

Part #	ACSR	Length	Weight
<b>C403-1382</b>	556 kcmil	6'	11 lbs.
<b>C403-1384</b>	556 kcmil	8'	11-1/2 lbs.

Part #	Aluminum	Copper	Length	Weight
<b>C403-1381</b>	1,000 kcmil	500 kcmil	6'	11 lbs.
<b>C403-1383</b>	1,000 kcmil	500 kcmil	8'	11-1/2 lbs.



### Insulated Lever Type Cable Cutters

Light and medium duty cutterheads mounted on Epoxiglas insulated poles. The plastisol dipped lever handle provides high mechanical force for clean cuts.

Part #	ACSR	Copper	Length	Weight
<b>H1871-6</b>	1/0	2/0 Solid	6' - 6"	6-3/4 lbs.
<b>H1873-6</b>	4/0	4/0 Stranded	6' - 7"	9-3/4 lbs.
<b>T403-0687</b>	4/0	4/0 Stranded	8' - 7"	10-1/4 lbs.



### Insulated Hydraulic Cable Cutters

The Epoxiglas pole and hydraulic hose have been tested to 100 kV per foot and the hydraulic oil has a dielectric strength of 25 + kV per ASTM D877-64.

Part #	ACSR	Al/Cu	Length	Weight
<b>C403-0731</b>	54 MCM	500 MCM	6'	13 lbs.
<b>C403-0732</b>	954 MCM	500 MCM	8'	15 lbs.



## INSULATED RATCHET CUTTERS

- For cutting ACSR and Soft Wire conductors
- Powerful lightweight ratchet cutter
- Cutting heads are interchangeable
- Operates in any position
- Handle folds to store in 6" canister
- Upper roller minimizes shaft deflection
- Parts are standardized for easy replacement
- Insulated fiberglass shaft and operating rod for maximum safety and durability
- Overhead - provides clean cuts for splicing conductors
- Underground - operates in a 5" wide trench

### RATCHET CUTTER COMPLETE WITH A11055 ACSR HEAD

Part #	Ft.	Lbs.
<b>11-005</b>	5	9
<b>11-006</b>	6	10
<b>11-008</b>	8	10.6
<b>11-010</b>	10	11.5

### RATCHET CUTTER COMPLETE WITH A11055 SOFT WIRE CUTTER HEAD

Part #	Lbs.	Case
<b>11-015</b>	5	01-005
<b>11-016</b>	6	01-006
<b>11-018</b>	8	01-008
<b>11-020</b>	10	01-010



11-006



A11056



A11055

## LEVER HANDLE WIRE CUTTER



- Three cutter jaws available
- Light Duty - ties wires up to 1/0 ACSR
- Heavy Duty - for ACSR up to 4/0 18/1
- Super Duty - for ACSR up to 336.4 18/1

Part #	Stick Size	Description	Cutting Capacity	Lbs.	Case
<b>11-055</b>	1-1/4" x 5'	Light duty cutter	1/0 ACSR	7.5	7220-5
<b>11-056</b>	1-1/4" x 6'	Light duty cutter	1/0 ACSR	8.5	7220-6
<b>A11035</b>		Replacement Head for Light duty cutter	1/0 ACSR	1.2	
<b>10672</b>	1-1/2" x 5'	Heavy duty cutter	4/0 ACSR	8.5	7220-5
<b>9927</b>	1-1/2" x 6'	Heavy duty cutter	4/0 ACSR	9.5	7220-6
<b>9927-8</b>	1-1/4" x 8'	Heavy duty cutter	4/0 ACSR	11.5	7220-8
<b>A11033</b>		Replacement Head for Heavy duty cutter	4/0 ACSR	1.8	
<b>11441</b>	1-1/2" x 5'	Super duty cutter	4/0 ACSR	11	7220-5
<b>11440</b>	1-1/2" x 6'	Super duty cutter	4/0 ACSR	12	7220-6
<b>11440-8</b>	1-1/4" x 8'	Super duty cutter	4/0 ACSR	14	7220-8
<b>A11038</b>		Replacement Head for Super duty cutter	4/0 ACSR	3.5	

## COMPRESSION TOOLS



Part #	Die Groove	Nose Die	Handles
<b>MD6</b>	D3	BG (5/8")	Wood
<b>MD6-8</b>	D3	O (1/2")	Wood
<b>MD6-4</b>	D3	BG (5/8")	Fiberglass
<b>MD7</b>	D3	BG (5/8")	Polymer
<b>MD7-8</b>	D3	O (1/2")	Polymer

### MD6 Type Tools

Installs a full range of connectors, taps, splices & terminals from #14 through 4/0 for Full-Tension and Non-Tension applications. The D3 groove serves as a die seat to accept "W" type dies.



### ELE-246 Compression Tool

This tool has three compression grooves for use with oval sleeves. Connector sizes #2, #4 #6. Cable sizes 3/16", 3/8", 5/32"

### K425BG

#### Greenlee Fixed BG & D Compression Tool

The K425BG is a hand operated mechanical compression tool fitted with a permanent 5/8 and D die grooves.

This tool is designed for the compression of sleeves, lugs and H-frame parallel groove connectors.

The K425BG accepts Burndy style W type dies that clip into place over the rear D die groove.

Constructed with curved fiberglass handles, this tool delivers 9,000 lbs of crimping force.



### Lever Handle Compression Tool

- Designed for live line crimping of sleeves and connectors
- 1-1/2" diameter

Part #	Crimp Head Style Description	Ft.	Lbs.	Case
<b>12593</b>	Utilizes Burny and Husky tool "W" Dies Head Also Has A Fixed 5/8" Nose Die	5	10	7220-5
<b>12594</b>	Utilizes Burny and Husky tool "W" Dies Head Also Has A Fixed 5/8" Nose Die	6	10.5	7220-6



## HUSKIE BATTERY OPERATED CRIMPER



Brush Protection Guards



Pull-Pin Design  
Optional-EZ-97



The **ECO-EZ-AT** Streamline compression tool has a powerful 6 ton output. When ordering, choose from any of the six available heads that meet your needs and switch between multiple heads with the pull-pin design. The swivel head design allows the jaws to rotate mo 180° for operator convenience.

No need for another battery system. This tool operates on the same 14.4 volt battery used in all of the Huskie Robo tools. Just like the rest of our battery tools, energized lines will not effect the operation or performance of the tool.



### ECO-EZ-AT ROBO\*CRIMP™

6 Ton Compression Tool with Changeable Head

Only EZK jaws accept Kearney "O" type dies. All others accept "W" and "X".

#### SPECIFICATIONS

Output	6 Ton
Weight	6 lbs. with Battery
Length	20.5"

#### CRIMPING ESTIMATES

	BP-80
4/0-4/0 H-Tap	100

#### CONNECTOR RANGE

Lugs and Splices	#8-500 MCM Cu #8-300 MCM Al
H-Taps	Up to 4/0-4/0

#### CUTTING CAPACITIES WITH RBC-38

ACSR	Up to 4/0
Standard Guy Wire	3/8"
Soft Locks	3/8"
Soft Steel Bolts	3/8"

#### FEATURES

- 6 Heads to Choose From
- Accepts All "W" & "X" Type Dies
- One Hand Operation
- Rotational Head
- Audible Bypass when Predetermined Pressure is Achieved
- Tested Up To 75kV
- 6 Ton Output
- Compatible with All Huskie 14.4V Batteries
- Brush Protection Guards
- Comes with 2 batteries, AC Charger & Case

#### OPTIONAL ACCESSORIES

HT58CUT	Cutter Dies
EZJAW-COVER	Brush Protection Guards
EZ-HLSTR	Huskie Holster

EZ-HLSTR



# HUSKIE BATTERY OPERATED CRIMPER

## SL-ND-AT ROBO\*CRIMP™

6 Ton Streamline Crimping Tool  
with Changeable Head

Accepts "W", "O" and "X" Type Dies

### SPECIFICATIONS

Output	6 Ton
Weight	8 lbs. with Battery
Length	22"

### CRIMPING ESTIMATES

	BP-80
4/0-4/0 H-Tap	100

### CONNECTOR RANGE

Lugs and Splices	#8-500 MCM Cu #8-350 MCM Al
H-Taps	Up to 4/0-4/0

### CUTTING CAPACITIES WITH SLCUT-JAW

ACSR	Up to 4/0
Standard Guy Wire	3/8"
Soft Locks	3/8"
Soft Steel Bolts	3/8"

### FEATURES

- Forged Jaws for Long Life
- Brush Protection Standard on All Jaws
- New Pull-Pin Design for Quick Jaw Change
- Bright White, LED Lights for Working in Low Light Conditions
- Three Compression Heads-ND, O, and BG
- One Hand Operation
- One Cutting Jaw For ACSR, Guy Wire & Bolts
- Rotational Head
- Audible Bypass when Predetermined Pressure is Achieved
- Tested Up To 75kV
- Comes with 2 batteries, AC Charger & Case
- 5 Year Warranty on Tool, Battery & Charger



The **SL-ND-AT** was developed after listening to feedback from our customers for a more robust, higher-quality, REC-style streamline tool. This new tool platform is the culmination of almost three years of research and development and will stand up to the most demanding tasks that linemen face every day.

The SL has a choice of five jaw types, including three compression heads, the SLNDJAW, SLO-JAW, or SLBG-JAW. The SLND-JAW head combines ND and K jaws. For cutting, switch to the SLCUT-JAW and for bending, use the SLCB-JAW. Quickly change between head types with the pull-pin design.

No need for another battery system, as this tool operates on the same 14.4 volt battery used in all of the Huskie Robo tools. The SL-ND Streamline tool not only carries a 5 year warranty on the tool but on the battery and charger as well.

### OPTIONAL ACCESSORIES

SL-HLSTR Huskie Tools Holster





## HUSKIE BATTERY OPERATED CRIMPER



Huskie Tools is pleased to introduce the **SL-CB-AT**, the first of its kind in the electrical utility industry, is a battery powered cable bender. The SL-CB utilized the pull-pin design, allowing technicians to change jaws from compression, to cutting, to cable bending. The SL-CB is just one of the many ergonomic solutions, provided by Huskie Tools, to help reduce strains and sprains associated with the daily tasks of a powerline technician. The SL-CB has several different settings, so the tool can be used on either secondary or primary conductor in a variety of sizes. Featuring a low profile, the SL-CB can be used in a variety of close-quarter environments; such as underground vaults, meter bases and substation applications and wherever cable bending is required.

**NOTE:** Contact cable manufacturer for specified cable bending radii and cable bending requirements.

### SL-CB-AT ROBO\*BEND™ Streamline Cable Bending Tool

#### SPECIFICATIONS

Weight	12 lbs. with Battery
Size	7"L X 14"W X 22"H

#### BENDING ESTIMATES

Consult Factory

#### BENDING CAPACITY

Cable	1000 MCM Cu For Larger Cable, Consult Factory
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#### FEATURES

- New pull-pin design for quick jaw change
- Bright white, LED Lights for working in low light conditions
- Audible bypass when predetermined Pressure is achieved
- Tested up to 75kV
- Comes with 2 batteries, AC charger & case
- 5 Year warranty on tool, battery & charger



# HUSKIE BATTERY OPERATED CRIMPER

## REC-5NDSL-AT ROBO\*CRIMP™

6 Ton Compression Tool with Changeable Head and 1-3/8" Jaw Opening

Accepts "W", "O" and "X" Type Dies

### SPECIFICATIONS

Output	6 Ton
Weight	9 lbs. with Battery
Size	14" L x 12" H x 2.5" W
Jaw Opening	1-3/8"

### CUTTING ESTIMATES

	BP-80
#6 Cu/Al	250
1/O Cu/Al	200
4/O Cu/Al	150

### CONNECTOR RANGE

Lugs and Splices	#8-500 MCM Cu #8-300 MCM Al
H-Taps	Up to 4/0-4/0

### CUTTING CAPACITIES WITH SLCUT-JAW

ACSR	Up to 4/0
Standard Guy Wire	3/8"
Soft Locks	3/8"
Soft Steel Bolts	3/8"

### FEATURES

- Forged jaws for long life
- Brush protection standard on all jaws
- New pull-pin design for quick jaw change
- One hand operation
- Tested up to 75kV
- Rotational head
- Rapid advance
- Ergonomically balanced
- Ergonomic pistol grip handle
- Weather resistant housing
- Audible bypass when predetermined pressure is achieved
- 4 heads to choose from
- Comes with 2 batteries, ac charger & case
- 5 year warranty on tool, battery & charger



The **REC-5NDSL-AT** is the next generation of the REC-5ND tool. The REC-5NDSL has a choice of five jaw types, including three compression heads, the SLND-JAW, SLO-JAW, or SLBG-JAW. The SLND-JAW head combines ND and K jaws. Quickly change between head types with the pull-pin design. All jaw types are forged and come standard with brush protection. Users also have the option of switching to the SLCUT-JAW cutting head.

In addition to the rapid advance feature incorporated into the new REC-5NDSL, it also has an electronic counter that allows a service technician to read the number of compression cycles the tool has made. Also, the tool housing has been reinforced to improve durability during heavy field use.

## HUSKIE BATTERY OPERATED CRIMPER



The **REC-558U-AT** was designed to squeeze commonly used service entrance connectors, including lugs, sleeves, H-Taps and C-Taps. The rapid advance feature allows the operator quicker compression cycles. In addition to the rapid advance feature, it also has incorporated an electronic counter that will allow a service technician to read the number of compression cycles the tool has made. Also, the new tool housing has been reinforced to improve durability during heavy field use.

A factory pre-set bypass cartridge assures a six ton compression every time. The REC-558U accepts either "W", "O" or "X" type dies. The D3 nest die comes standard with the tool. Always consult your connector manufacturer for proper die/connector combinations.

The REC-558U will accept the optional 25CAT cutter head attachment. Quick release pins allow the operator to change between compression and cutter head in one minute with no springs or pins to lose.

### REC-558U-AT ROBO\*CRIMP™

6 Ton Compression Tool with  
1.8" Jaw Opening

Accepts "W", "O" and "X" Type Dies

#### SPECIFICATIONS

Output	6 Ton
Weight	8 lbs. with Battery
Size	13"L x 12"H x 2.5"W
Jaw Opening	1.8"

#### CUTTING ESTIMATES

	BP-80
#6 Cu/Al	250
1/O Cu/Al	195
4/O Cu/Al	150

#### CONNECTOR RANGE

Lugs and Splices	#8-500 MCM Cu #8-300 MCM Al
H-Taps	Up to 4/0-4/0

#### FEATURES

- One hand operation
- Tested up to 75kV
- Rotational head
- Rapid advance
- Ergonomically balanced
- Ergonomic pistol grip handle
- Weather resistant housing
- Audible bypass when predetermined pressure is achieved
- Interchangeable cutter head
- Comes with 2 batteries, AC charger & case
- 5 year warranty on tool, battery & charger



**25CAT\*** (optional)

\* Will not cut ALL 500 MCM copper cable-consult factory.

## HUSKIE BATTERY OPERATED CRIMPER



The **REC-CN558-AT** is an open jaw version of the REC-558U latched type tool. The open jaw can easily fit into tight situations where the closing of a jaw latch would be a problem. The jaw is covered with a rubber boot designed to provide some insulated protection against “brush” contact with energized cables. The tool should not be used as an insulated tool since the dies and die holding pins are always exposed.

The head can be turned 180° and positioned to accommodate the operator’s work methods. A complete cycled compression is accomplished by the simple squeeze of a trigger. A factory preset by-pass cartridge assures a complete compression every time. Its 6-ton output is equal to any comparable handheld, hydraulic compression tool and far exceeds any mechanical crimper. The REC-CN558 is supplied with D3 nest dies, which can be interchanged with Kearney, or T&B “O” type dies. If you wish to use the Huskie or another brand of “W” type dies, simply slide them over the D3 nest dies and snap in position. The output pressure, of the REC-CN558 can be checked with the PG-15 pressure gauge when necessary.

### REC-CN558-AT ROBO\*CRIMP™

6 Ton Compression Tool with  
.95” Jaw Opening

Accepts “W”, “O” and “X” Type Dies

#### SPECIFICATIONS

Output	6 Ton
Weight	9 lbs. with Battery
Size	13”L x 12”H x 2.5”W
Jaw Opening	.95”

#### CUTTING ESTIMATES

	BP-80
#6 Cu/Al	250
1/0 Cu/Al	190
4/0 Cu/Al	150

#### CONNECTOR RANGE

Lugs and Splices	#8-500 MCM Cu
	#8-300 MCM Al
H-Taps	Up to 4/0-4/0

#### OPTIONAL ACCESSORY

HT58CUT	Cutter Die
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#### FEATURES

- One hand operation
- Tested up to 75kV
- Rotational head
- Rapid advance
- Ergonomically balanced
- Ergonomic pistol grip handle
- Weather resistant housing
- Audible bypass when predetermined pressure is achieved
- Open C-head design
- Comes with 2 batteries, AC charger & case
- 5 year warranty on tool, battery & charger



## HUSKIE BATTERY OPERATED CRIMPER

### REC-3410-AT ROBO\*CRIMP™

12 Ton Compression Tool with  
1" Jaw Opening

Accepts "U" Type Dies

#### SPECIFICATIONS

Output	12 Ton
Weight	19 lbs. with Battery
Size	18"L x 10.5"H x 3.5"W
Jaw Opening	1"

#### CUTTING ESTIMATES

	BP-80
4/0 Cu	90
500 MCM Cu	60

#### CONNECTOR RANGE

Lugs	#8 AWG - 750 MCM Cu #10 AWG - 750 MCM Al
Splices	#8 AWG - 400 MCM Cu #10 AWG - 400 MCM Al

#### FEATURES

- Tested up to 75kV
- Rotational head
- Rapid advance
- Ergonomically balanced
- Weather resistant housing
- Audible bypass when predetermined pressure is achieved
- Includes die-case
- Protective rubber boot on "c" head for brush contact
- Comes with 2 batteries, AC charger & case
- 5 year warranty on tool, battery & charger



Huskie Tools is giving you more tool speed and easier handling with our **REC-3410-AT** battery powered compression tool. It features a rubber boot and it is designed to accommodate all 12 ton "U" type dies widely used throughout the electrical industry.

The REC-3410 is faster and more compact than our previous model. It offers a wider handle opening with finger grooves, allowing easier access for gloved work. The base of the tool is contoured for stability and incorporates finger grooves for a better grip.

## HUSKIE BATTERY OPERATED CRIMPER

### REC-5430-AT ROBO\*CRIMP™

12 Ton Compression Tool with  
1-3/16" Jaw Opening

Accepts "U" Type Dies



#### SPECIFICATIONS

Output	12 Ton
Weight	14.75 lbs. with Battery
Size	15.5"L x 12"H x 3"W
Jaw Opening	1-3/16"

#### CUTTING ESTIMATES

	BP-80
500 MCM Cu	60
750 MCM Cu	45

#### CONNECTOR RANGE

Lugs	750 MCM Cu/Al
Splices	600 MCM Cu/Al

#### OPTIONAL ACCESSORY

DIE-CASE	Die Case
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#### FEATURES

- One hand operation
- Tested up to 75kV
- Rotational head
- Rapid advance
- Ergonomically balanced
- Ergonomic pistol grip handle
- Weather resistant housing
- Audible bypass when predetermined pressure is achieved
- Protective rubber boot on "c" head for brush contact
- Comes with 2 batteries, AC charger & case
- 5 year warranty on tool, battery & charger

The **REC-5430-AT** weighing just 14.75 pounds was specifically designed for use in single-handed operation in overhead applications such as cable trays. This allows one hand to control the work while the other hand is free to operate the tool. It also eliminates the cumbersome hoses and larger, heavier tools traditionally used in overhead work.

The REC-5430 was designed from the same hydraulic system as our REC-558U featuring a rapid advance ram to reduce cycle time. It accepts all 12 ton "U" type dies and is capable of 750 MCM copper lugs and 600 MCM copper splices.

## HUSKIE BATTERY OPERATED CRIMPER

### REC-3510-AT ROBO\*CRIMP™

12 Ton Compression Tool with  
1.65" Jaw Opening

Accepts "U" Type Dies

#### SPECIFICATIONS

Output	12 Ton
Weight	20 lbs. with Battery
Size	19"L x 10.5"H x 3.5"W
Jaw Opening	1.65"

#### CUTTING ESTIMATES

	BP-80
500 MCM Cu	60
750 MCM Cu	45

#### CONNECTOR RANGE

Lugs and Splices	750 MCM Cu/Al
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#### FEATURES

- Tested up to 75kV
- Rotational head
- Rapid advance
- Ergonomically balanced
- Weather resistant housing
- Audible bypass when predetermined pressure is achieved
- Includes DIE-CASE
- Protective rubber boot on "C" head for brush contact
- UL classified
- Comes with 2 batteries, AC charger & case
- 5 year warranty on tool, battery & charger



The **REC-3510-AT** is the largest in our line of battery operated 12 ton compression tools. The jaw opening is 1.65" and will accept mid-span copper and aluminum splices and lugs up to 750 MCM Cu/Al. When the sleeves are compressed they can be removed through the large jaw. This tool accepts all "U" type dies available on the market.

A built-in, preset 10,000 psi bypass cartridge will audibly bypass when optimal pressure is achieved. Test dies accompanied with our PG-4 can confirm the output pressure when needed. The output pressure can be adjusted via a bypass port located at the top of the tool. This tool has the most universal range of all our selfcontained ROBO\* tools.

## HUSKIE BATTERY OPERATED CRIMPER



### REC-5510-AT ROBO\*CRIMP™

12 Ton Compression Tool with  
1.65" Jaw Opening

Accepts "U" Type Dies

#### SPECIFICATIONS

Output	12 Ton
Weight	15 lbs. with Battery
Size	16"L x 12"H x 3"W
Jaw Opening	1.65"

#### CUTTING ESTIMATES

	BP-80
4/0 Cu	90
500 MCM Cu	60

#### CONNECTOR RANGE

Lugs and Splices	Up to 750 MCM Cu/Al
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#### OPTIONAL ACCESSORY

DIE-CASE	Die Case
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#### FEATURES

- One hand operation
- Tested up to 75kV
- Rotational head
- Rapid advance
- Ergonomically balanced
- Ergonomic pistol grip handle
- Weather resistant housing
- Audible bypass when predetermined pressure is achieved
- Protective rubber boot on "C" head for brush contact
- Comes with 2 batteries, AC charger & case
- 5 year warranty on tool, battery & charger

The **REC-5510-AT** was specifically designed for use in single-handed operation in overhead applications such as cable trays. This allows one hand to control the work while the other hand is free to operate the tool. It also eliminates the cumbersome hoses and larger, heavier tools traditionally used in overhead work.

The REC-5510 has the same jaw opening as our REC-3510 battery operated 12-ton compression tool. The opening is 1.65" which will accept mid-span copper and aluminum splices and lugs up to 750 MCM Cu/Al. This tool accepts all "U" type dies available on the market.

Portability and handling are made easier because the REC-5510 system is self-contained and compact. The new rapid advance system reduces tool run time, giving you more crimp cycles per battery charge. A built-in, pre-set 10,000 psi bypass cartridge will audibly "bypass" when the optimal pressure is achieved.





## HUSKIE BATTERY OPERATED CRIMPER

### REC-3610-AT ROBO\*CRIMP™

15 Ton Compression Tool  
with 2" Jaw Opening

Accepts "P" Type Dies

#### SPECIFICATIONS

Output	15 Ton
Weight	24 lbs. with Battery
Size	21.5"L x 10.5"H x 3.5"W
Jaw Opening	2"

#### CUTTING ESTIMATES

	BP-80
1000 MCM Cu	40

#### CONNECTOR RANGE

Aluminum	#8 AWG-1250 MCM
Copper	#8 AWG-1500 MCM
H-Tap	Up to 750/750

#### FEATURES

- Tested up to 75kV
- Rotational head
- Rapid advance
- Ergonomically balanced
- Weather resistant housing
- Audible bypass when predetermined pressure is achieved
- Includes die-case
- Protective rubber boot on head
- Flip-top rotating head
- External pressure adjustment
- Comes with 2 batteries, AC charger & case
- 5 year warranty on tool, battery & charger



The **REC-3610-AT** is our 15 ton compression tool that is able to crimp splices and lugs up to 1250 MCM aluminum and 1500 MCM copper. The REC-3610 offers a wide handle opening with finger grooves, allowing easy access for gloved work.

The base of the tool is contoured for stability and incorporates finger grooves for a better grip. The tool has a latched head and its pull-out release pin cannot be entirely removed from the jaw. The jaw opens wide to accept all "P" type dies used in the industry today. The PU-15 die adapter is available for use with all 12 ton "U" type dies.

#### OPTIONAL ACCESSORY

PU-15 "U" Die Adapter,



## HUSKIE BATTERY OPERATED PUMP



The Huskie **REC-P1** is a 28.8 volt, battery operated hydraulic pump that runs on two 14.4 Volt BP-80 batteries. The REC-P1 is supplied with a push button remote control that allows the operator to advance, hold, and retract when needed. The user is never committed to a full cycle and can always back off at any time during the advance – even when the pump is under pressure. High pressure, non-conductive hose can be attached to a 360° moveable swivel port on the pump. This swivel port allows the user to position the hose to fit in confined aerial buckets and manholes.

Both batteries must be inserted in the pump to operate. It is recommended to operate the pump with a 10 foot hose, up to a maximum of 20 feet. A longer hose will cause cycle times to increase.

We recommend you specify the Huskie SC-Series flush face drip less couplers, as not to deplete the oil in the reservoir when changing heads.

### REC-P1 ROBO\*PUMP

10,000 psi Battery Powered  
28.8 Volt Pump

Accepts "U" Type Dies

#### SPECIFICATIONS

Output	10,000 psi
Weight	23 lbs. with 2 Batteries
Size	16"L x 6"H x 10"D

#### CUTTING ESTIMATES

2 BP-80s

Using a 10 ft. Hose  
and EP-60W on 12  
1272 ACSR

No Load Cycle Advance 25 Sec., Retract  
Time 30 Sec.

#### OPTIONAL ACCESSORY

FS-14	Foot Switch
URH-14	Remote Handle
REC-P1CASE	Steel Carrying Case

#### FEATURES

- Powerful 28.8 Volt
- Operate Up to Single Acting 60 Ton Press
- Adjustable 10,000 psi
- Eliminates the Need for AC Power
- Compact and Portable
- 5 Year Warranty on Tool, Battery & Charger



## ACCESSORIES FOR HUSKIE CRIMPER

### One Battery Works with Every Huskie Tool

One 14.4 Volt Lithium Ion battery powers every Huskie Tools battery operated cutting and compression tool.



#### BP-80 Huskie Tools Lithium-Ion Battery

- High Capacity 3.0Ah Battery Pack
- 50% Longer Run Time as Compared to NiCad
- No Memory Effect
- Lightweight Battery Pack
- Impact Resistant Housing
- The Performance is Minimally Affected by Extreme Temperatures
- Minimal Self-Discharge
- Non-Hazardous Chemistry and Environmentally Safe
- 5 Year Warranty



#### CH-90 Tri-Chemistry Charger

- 110V AC Power Cord
- Tri-Chemistry Charger Able to Charge All Huskie Tools Batteries
- Reconditioning Feature to Accommodate Ni-Cd and Ni-MH Memory Effect
- Maintenance Trickle Charge for Ni-Cd and Ni-MH Batteries
- UL/CUL Agency Approvals
- Monitors Battery Temperature and Battery Voltage for Correct Charging
- 5 Year Warranty
- 1 Hour Charge Time



**CH-ACC: AC Charger Cord**



**CH-DCC: DC Charger Cord  
for CH-90**

**LineStar services and repairs all Huskie Battery Operated Tools**

## LOW-PRESSURE HYDRAULIC COMPRESSION TOOLS



Model # CT10066AN  
with Burndy Y750 Head

### CT10 Compression Tool

Available in 2 models, these tools provide up to 12 tons of force. Operating pressure is between 1,650 to 2,500 and the flow rate is 3-9 gpm. Order couplers separately.

Part #	Head Type	Capacity
<b>CT10016N</b>	Burndy Y-35	500 Cu / 636 Alum 556.5 ACSR
<b>CT10066AN</b>	Burndy Y-750	500 Cu / 1,500 Alum 795 ACSR



### CT15036UN Compression Tool

This tool produces 15 tons of force which crimps copper up to 500 MCM, aluminum to 1500 MCM and ACSR to 795. It operates at 1,650 to 2,500 psi with a flow rate of 3-9 gpm. Order die adapters and couplers separately.

<b>33704</b>	U-Die Adapter
<b>60837</b>	P-Die Adapter
<b>100096</b>	PH4/PH14 Adapter



### LPK1240 Compression Tool

This tool has a 1.65" jaw opening that accepts U-Dies and develops 12 tons of force. It has a powered advance and retract feature and the relief valve signals the operator when the crimp is complete. Operating pressure is between 1,500 to 2,000 psi with a flow rate of 3 - 9 gpm and weighs 19.7 lbs. Order couplers separately.



### LPK1550 Compression Tool

Designed to make crimps on 500 MCM cable and larger, this tool provides 15 tons of force. It's operating pressure is 1,500 to 2,000 psi with a flow rate of 3 - 9 gpm and weighs 28.6 lbs. Order die adapters and couplers separately.

<b>48802</b>	U-Die Adapter	<b>48820</b>	P-Die Adapter
<b>48824</b>	PH4/PH14 Adapter		

**All of these hydraulic tools can be supplied assembled with couplers and hoses ready for field use. Call Linestar for more information.**



## HIGH-PRESSURE HYDRAULIC COMPRESSION TOOLS

### EP-410H

12 Ton Remote Compression  
C-Head with Rubber Boot –  
1" Jaw Opening

Accepts "U" Type Dies

#### SPECIFICATIONS

Output	12 Ton
Weight	8-1/4 lbs.
Length	10"
Jaw Opening	1"

#### CONNECTOR RANGE

Lugs	#8-750 MCM Cu
Splices	#10-400 MCM Cu

#### FEATURE

- Protective Rubber Boot on "C" Head



U-Type Dies



The **EP-410H** is a traditional C-head with a one-inch jaw opening. It will accept all "U" type dies currently used in 12 ton tools on today's market. A 10,000 psi external pump is required to operate the C-head. The output pressure is 12 tons when the pump is set at 10,000 psi. After a compression is made on a lug or sleeve, an internal ram spring retracts the jaw when the pump pressure is relieved. The tool is supplied with a standard 3/8" male, screw type coupler but can be fitted with an opposite female coupler if requested. Carrying case included.

**NOTE:** When using any of these high-pressure tools, always use 10,000 psi rated non-conductive hose (NC-16 series).

### EP-430

12 Ton Compression Tool  
with Rubber Boot –  
1-3/16" Jaw Opening

The **EP-430** is unique in that it has a large jaw opening of 1-3/16" and is able to splice up to 600 MCM. This tool was designed for the electrical contractor or electric utility lineman who is confronted with larger cable diameters and larger connectors. Similar competitive tools are limited to a .95" jaw opening that drastically reduces their connecting range. Most internal hydraulic components are the same as the EP-410 and EP-510. A carrying case is included.



Accepts "U" Type Dies

#### SPECIFICATIONS

Output	12 Ton
Weight	13.5 lbs.
Length	24"
Jaw Opening	1-3/16"

#### CONNECTOR RANGE

Lugs	Up to 750 MCM Cu
Splices	Up to 600 MCM Cu

#### FEATURES

- Protective Rubber Boot on "C" Head
- External Pressure Adjustment

## HIGH-PRESSURE HYDRAULIC COMPRESSION TOOLS

### EP-410HT

12 Ton Remote Titanium  
Compression C-Head –  
1" Jaw Opening

Accepts "U" Type Dies

#### SPECIFICATIONS

Output	12 Ton
Weight	5 lbs.
Length	10"
Jaw Opening	1"

#### CONNECTOR RANGE

Lugs	#8-750 MCM Cu
Splices	#10-400 MCM Cu

#### OPTIONAL ACCESSORIES

HTADPT	Hot Stick Adapter
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#### FEATURES

- Extremely Lightweight Titanium
- Ideal for Hot Stick Applications
- All the Same Features as the EP-410H Model



The unique, lightweight titanium head of the EP-410HT reduces its weight to just five pounds. This is an ideal weight for Hot Stick handling since it is easy to lift and effortless to control while making connections. Though more expensive than conventional 12 ton tools, operator preference and performance when handling this tool will save time and investment over the life of the product. The tool is supplied with a standard 3/8" male, screw type coupler but can be fitted with an opposite female coupler if requested. A carrying case is included.

**NOTE:** When using any of these high-pressure tools, always use 10,000 psi rated non-conductive hose (NC-16 series).



The EP-510HC is a remote C-head that requires an external 10,000 psi pumping source. It accepts all "U" type dies used with conventional 12 ton compression tools. The larger jaw opening of 1.65" accepts conductors and mid-span sleeve connections up to 750 MCM. The EP-510HC is supplied with a screw type, 3/8" male coupler, metal carrying case, and die tray. We recommend the use of our nonconductive high pressure hose.

**NOTE:** When using any of these high-pressure tools, always use 10,000 psi rated non-conductive hose (NC-16 series).

### EP-510HC

12 Ton Remote Compression  
C-Head with Rubber Boot –  
1.65" Jaw Opening

Accepts "U" Type Dies

#### SPECIFICATIONS

Output	12 Ton
Weight	11 lbs.
Length	12-1/4"
Jaw Opening	1.65"

#### CONNECTOR RANGE

Lugs	750 MCM Cu
Splices	750 MCM Cu

#### FEATURE

- Protective Rubber Boot on "C" Head



## HIGH-PRESSURE HYDRAULIC COMPRESSION TOOLS

### EP-610H

15 Ton Remote Compression  
C-Head – 2" Jaw Opening

Accepts "P" Type Dies



#### SPECIFICATIONS

Output	15 Ton
Weight	14.5 lbs.
Length	14.5"
Jaw Opening	2" (1.5" with "U" Die Adapter)

#### CONNECTOR RANGE

Aluminum	#8 AWG-1250 MCM
Copper	#8 AWG-1500 MCM

#### FEATURE

- Also Available for T&B Style 15 Ton Dies (Model EP-610TB)

#### OPTIONAL ACCESSORY

PU-15	"U" Die Adapter
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The **EP-610H** is a remote C-head that requires an external 10,000 psi pumping source. It accepts all Huskie HT61 series and Burndy "P" type dies used in the Y-46. When used with a Huskie PU-15 die adapter it will accept all "U" type dies used with any 12 ton tool. This tool is primarily used for cables above 750 MCM or in cases where additional tonnage is required to compress larger lugs, terminals and sleeves on tension connections. It is most always used on larger underground cables up to 1000 MCM. The EP-610H is supplied with a 3/8" male, screw type coupler and carrying case.

**NOTE:** When using any of these high-pressure tools, always use 10,000 psi rated non-conductive hose (NC-16 series).



#### PU-15 "U" Die Adapter

Sold separately



### EP-60W

60 Ton Compression Tool

This single acting tool accepts Alcoa 60 Ton series dies and Burndy "L" type dies. It operates with most 10,000 psi hydraulic power sources.



60 Ton Series Dies

L-Type Dies

# HIGH-PRESSURE HYDRAULIC COMPRESSION TOOLS

## EP-60D (STEEL), EP-60DT (TITANIUM) 60 Ton Double Acting Compression Head

Accepts "HA60-SERIES"  
Type Dies

### SPECIFICATIONS

Output	60 Ton
Weight	47 lbs. (Steel) 34 lbs. (Titanium)
Size	6"W x 17"H
Cable Capacity	2.4" O.D.
Die style	HA60-Series
Ram Stroke	1.5" Travel
Oil Volume	303 cc

### CONNECTOR RANGE

Lugs	Up to 2000 MCM Cu/Al
Splices	Up to 2500 MCM Cu/Al

### ORDER DATA

EP-60D	60 Ton Double Acting Compression Head
EP-60DT	Titanium Model

### FEATURES

- Designed for ACSR & ACAR Transmission and Distribution Cable
- Double Acting Hydraulic Cylinder for Quicker Return Times
- Ultra Light Titanium Model Available
- Extremely Portable



The **EP-60D** series is a double acting model. Double acting tools will eliminate the possibility of the tool jamming. Double acting means hydraulically advancing the ram to build the proper tonnage, then the hydraulic pressure is reversed to retract the ram. This will ensure the ram to retract without having to pry the jaws apart to release them and it will also retract much faster than single acting spring release tools.

Titanium has the strength of steel but weighs nearly 30% less. Due to its lighter weight and the tool's portable design, the chance of back and muscle strain is greatly reduced. The titanium 60 ton press is easily maneuvered where heavy steel presses are almost impossible to operate making it an ideal tool for jobs such as helicopter line installations.

**NOTE:** When using any of these high-pressure tools, always use 10,000 psi rated non-conductive hose (NC-16 series).



## COMPRESSION DIES & ADAPTERS



### O-Dies

Used in the Kearney O series compression tools.



### W-Dies

Used in MD6, MD7 and other similar 6 ton compression tools.



### U-Dies

Used in Y-35, Y-39, Y-750 and other similar 12 ton and 14 ton tools.



### WCSA Compression Dies

Used in MD6, MD7 and all Huskie 6 ton compression tools.



### UCSA Compression Dies

Used in Y-35 and all Huskie 12 ton compression tools.



### P-Dies

Used in the Y-46 and other similar 15 ton compression tools.



### HT50CUT Cutting Die

Fits MD6, MD7 and other similar 6 ton compression tools.  
Capacity # 4 to 4/0 ACSR.



### PU-15 U-Die Adapter

Allows the use of U-Dies in the Y-46 and other similar 15 ton compression tools.



### PT6515 U-Die Adapter

Allows the use of U-Dies in the Y-45 and other similar 15 ton compression tools.



### L-Type Dies



### 100 Ton Dies

Used in EP100WB and other similar 100 ton compression tools.



### 6000 Ton Series Dies

### 60 Ton Dies

Used in EP060D and other similar 60 ton compression tools.

## COMPRESSION DIES

### HT58-SERIES

Equivalent to Burndy "W" Type Dies  
for 4-6 Ton Tools

#### FEATURES

- Fits All Existing Tools Accepting "W" Type Dies
- Marked with Huskie and Equivalent Burndy "W" Die Number
- Nickel Plated



ITEM #	BURNDY Equivalent	ITEM #	BURNDY Equivalent
HT58AE	W-K840	HT58DE	W-236
HT58BX	W-161	HT58DG	W-238
HT58BZ	W-162	HT58DH	W-239
HT58CB	W-163	HT58DK	W-241
HT58CD	W-164	HT58DM	W-243
HT58CE	W-165	HT58DP	W-245
HT58CF	W-166	HT58DT	W-247
HT58CG	W-167	HT58DV	W-248
HT58CM	W-171	HT58DW	W-249
HT58G	W-BG	HT58DY	W-251
HT58J	W-C	HT58KA	W-687
HT58AK	W-O	HT58KH	W-702
HT58CUT	CUTTER	HT58AF	W-L
		HT58K	WKK

ITEM #	BURNDY Equivalent	6 TON DIE	BURNDY 6 TON DIE	NICOPRESS
HT58AW	W-2CRT	HT58BX	W-161	J
HT58AU	W-4CRT	HT58BZ	W-162	M & P
HT58AT	W-5CRT	HT58CB	W-163	T
HT58AY	W-25RT	HT58CM	W-171	X
HT58AZ	W-26RT			
HT58BA	W-27RT			
HT58BC	W-28RT			
HT58BE	W-29RT			
HT58BF	W-30RT			
HT58BJ	W-31RT			
HT58BK	W-32RT			
HT58BL	W-34RT			

ITEM #	CSA Equivalent
HT58PA	CSA-20
HT58PB	CSA-22
HT58PC	CSA-24

### HT-SERIES

Equivalent to Kearney "O" Type Dies for 4-6 Ton Tools



#### FEATURES

- Fits All Existing Tools Accepting "O" Type Dies
- Stamped with Kearney Die Size
- Nickel Plated

ITEM #	KEARNEY Equivalent	ITEM #	KEARNEY Equivalent
HT-B	B	HT-510	510 (HEX)
HT-D	D	HT-635	635 (HEX)
HT-D3	D3	HT-747	747 (HEX)
HT-J	J	HT-316	3/16
HT-K	K	HT-14	1/4
HT-O	O	HT-516	5/16
HT-P	P	HT-38	3/8
HT-T	T	HT-12	1/2
HT-737	737	HT-916	9/16
HT-781	781	HT-1932	19/32
HT-840	840	HT-58-1	5/8-1
HT-845	845	HT-1116	11/16

ITEM #	CSA Equivalent
HTCSA-20	CSA-20
HTCSA-22	CSA-22
HTCSA-24	CSA-24

## COMPRESSION DIES

### HT41-SERIES

Equivalent to Burndy and Kearney "U" Type Dies for 12 Ton Tools



### FEATURES

- Fits All Existing Tools Accepting "U" Style Dies
- Marked with Huskie and Equivalent Burndy "U" Die Number, or Alcoa "B" Die Number, or Kearney Die Size
- Die Nest Engraved with Huskie Die Number Suffix

ITEM #	ALCOA Equivalent	ITEM #	ALCO Equivalent
HT4107	74SH-03SH	HT4131	72AH
HT4108	75SH-05SH	HT4132	73AH-08AH
HT4109	76SH	HT4140	07CD
HT4111	11AH	HT4141	08CD
HT4120	20AH-14AH	HT4142	09CD
HT4128	74AH-10AH	HT4155	72SH-01SH
HT4129	75AH-12AH	HT4156	73SH
HT4130	76AH	HT4180	13AH-80EA

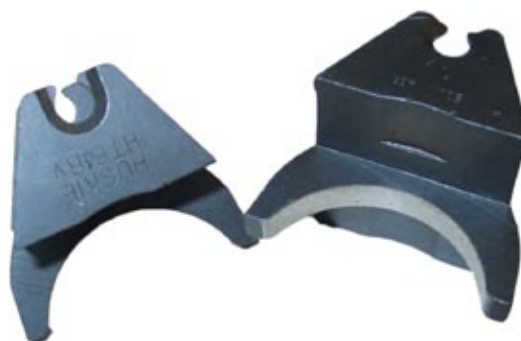
ITEM #	CSA Equivalent	ITEM #	CSA Equivalent
HT41PA	CSA-20	HT41PH	CSA-24CU
HT41PB	CSA-22	HT41PI	CSA-24CU
HT41PC	CSA-24	HT41PJ	CSA-28CU
HT41PD	CSA-26	HT41PK	CSA-30WCU
HT41PE	CSA-28	HT41PM	CSA-1
HT41PF	CSA-30W	HT41PN	CSA-2
HT41PL	CSA-20CU		
HT41PG	CSA-22CU		

ITEM #	BURNDY Equivalent	ITEM #	BURNDY Equivalent	ITEM #	BURNDY Equivalent	ITEM #	BURNDY Equivalent
HT41G	U-BG	HT41DG	U-238	HT41AT	U5CRT	HT41KA	1/4
HT41J	U-C	HT41DH	U-239	HT41AY	U25RT	HT41KB	3/8
HT41V	U-D	HT41DL	U-242	HT41AZ	U26RT	HT41KC	5/16
HT41X	U-D3	HT41DM	U-243	HT41BA	U27RT	HT41KD	1/2
HT41Y	U-E	HT41DP	U-245	HT41BC	U28RT	HT41KE	9/16
HT41Z	U-F	HT41DT	U-247	HT41BE	U29RT	HT41KF	19/32
HT41AB	U-H	HT41DV	U-248	HT41GF	U2CABT	HT41KG	5/8-1
HT41AF	U-L	HT41DW	U-249	HT41GM	U4CABT	HT41KH	11/16
HT41AG	U-M	HT41DY	U-251	HT41GE	U6CABT	HT41KI	3/4
HT41AJ	U-N	HT41DZ	U-252	HT41GL	U8CABT	HT41KK	29/32
HT41AK	U-O	HT41EK	U-261	HT41BF	U30RT	HT41KL	15/16
HT41AM	U-R	HT41FG	U-305	HT41BJ	U31RT	HT41KM	1-2
HT41BX	U-161	HT41FM	U-316	HT41BK	U32RT	HT41KN	1-1/8-2
HT41BZ	U-162	HT41FN	U-317	HT41BL	U34RT	HT41KO	1-1/2-2
HT41CB	U-163	HT41FU	U-321	HT41BM	U36RT	HT41KP	510
HT41CD	U-164	HT41FX	U-327	HT41BP	U39RT	HT41KQ	572
HT41CE	U-165	HT41GK	U-373	HT41EX	U25ART	HT41KR	635
HT41CF	U-166	HT41GX	U-468	HT41EY	U26ART	HT41KS	737
HT41CG	U-167	HT41HM	U-490	HT41GW	U27ART	HT41KT	747
HT41CJ	U-168	HT41JM	U-654	HT41EZ	U28ART	HT41KU	781
HT41CK	U-169	HT41JN	U-655	HT41FW	U29ART	HT41KV	BKT
HT41CL	U-170	HT41JP	U-658	HT41GZ	U30ART	HT41AE	840
HT41CT	U-203	HT41JR	U-659	HT41FA	U31ART	HT41U	U
HT41DE	U-236	HT41KJ	U-705	HT41HH	U32ART	HT41KX	727
HT41DF	U-237	HT41LG	U-788	HT41FB	U34ART		
		HT41NC	U-997	HT41HG	U36ART		
		HT41AE	U-K840	HT41LJ	U39ART2		
		HT41AX	U1CRT	HT41CUT	Cutter Dies		
		HT41AW	U2CRT	HT41TEST	Test Dies		
		HT41AV	U3CRT				
		HT41AU	U4CRT				

## COMPRESSION DIES

### HT61-SERIES

Equivalent to Burndy "P" Type Dies  
for 15 Ton Tools



#### FEATURES

- Fits All Existing Y46 Heads Accepting "P" Type Dies
- Marked with Huskie and Equivalent Burndy "P" Type Dies
- Black Oxide Finish
- Polished Die Nest

ITEM #	BURNDY Equivalent	ITEM #	BURNDY Equivalent
HT61BP	P39RT	HT61FC	P39ART
HT61BR	P40RT	HT61HJ	P40ART
HT61BU	P44RT	HT61FD	P44ART
HT61BV	P46RT	HT61AC	PKR
HT61KX	P-724	HT61AJ	PN
PU-15	DIE ADAPTER		

ITEM #	CSA Equivalent
HT61PF	CSA-30
HT61PK	CSA-30CU
HT61PO	CSA-32
HT61PP	CSA-32CU
HT61PQ	CSA-34
HT61PR	CSA-34CU

### HA60-SERIES

Equivalent to Alcoa  
60 Ton Dies



#### FEATURES

- Fits All Existing 60 Ton Presses Accepting 60 Ton Shell Type Dies
- Marked with Huskie and Equivalent Alcoa Catalog Number
- Black Oxide Finish

ITEM #	ALCOA Equivalent	ITEM #	ALCOA Equivalent
HA60-01	6010SH	HA60-27	6040AH
HA60-02	6012SH	HA60-28	6074AH
HA60-03	6014SH	HA60-29	6075AH
HA60-04	6016SH	HA60-30	6076AH
HA60-05	6018SH	HA60-40	6007CD
HA60-06	6020SH	HA60-41	6008CD
HA60-07	6074SH	HA60-42	6009CD
HA60-08	6075SH	HA60-43	6010CD
HA60-09	6076SH	HA60-44	6011CD
HA60-20	6020AH	HA60-45	6012CD
HA60-21	6024AH	HA60-46	6013CD
HA60-22	6027AH	HA60-47	6014CD
HA60-23	6030AH	HA60-48	6015CD
HA60-24	6034AH	HA60-49	6016CD
HA60-25	6036AH	HA60-50	6017CD
HA60-26	6038AH		



## COMPRESSION DIES

### HA100-SERIES

Equivalent to Alcoa 100 Ton Dies



#### FEATURES

- Fits All Existing 100 Ton Presses Accepting 100 Ton Shell Type Dies
- Marked with Huskie and Equivalent Alcoa Catalog Number
- Black Oxide Finish

ITEM #	ALCOA Equivalent	ITEM #	ALCOA Equivalent	ITEM #	ALCOA Equivalent
HA100-01	10010SH	HA100-24	10034AH	HA100-41	10010CD
HA100-02	10012SH	HA100-25	10036AH	HA100-42	10009CD
HA100-03	10014SH	HA100-26	10038AH	HA100-43	10010CD
HA100-04	10016SH	HA100-27	10040AH	HA100-44	10011CD
HA100-05	10018SH	HA100-28	10074AH	HA100-45	10012CD
HA100-06	10020SH	HA100-29	10075AH	HA100-46	10013CD
HA100-07	10074SH	HA100-30	10076AH	HA100-47	10014CD
HA100-08	10075SH	HA100-34	10042AH	HA100-48	10015CD
HA100-20	10020AH	HA100-36	10044AH	HA100-49	10016CD
HA100-21	10024AH	HA100-37	10046AH	HA100-50	10017CD
HA100-22	10027AH	HA100-38	10048AH	HA100-51	10018CD
HA100-23	10030AH	HA100-40	10007CD	HA100-52	10019CD
HA100-53	10020CD				



# HIGH-PRESSURE HYDRAULIC PUMPS, HOSE & COUPLERS

## HPG-4

4 HP, Gas Engine 10,000 psi  
Hydraulic Pump

### SPECIFICATIONS

Weight	74 lbs. with Oil
Oil Capacity	5 Gallons
Gas Tank	3 Pints
Max Pressure	10,000 psi
Power Output	4 HP
Oil Delivery @ 100 psi	480 cubic inches /minute
Oil Delivery @ 10,000 psi	55 cubic inches /minute

### FEATURES

- Four Way Valve Allows for Single or Double Acting Capacity
- Standard Screw Type Male and Female Couplers

The **HPG-4** is a self-contained high pressure pump, with manual operation. It is equipped with a 4 HP Briggs & Stratton engine. A four-way valve controls the hydraulic fluid direction for the advance and retract modes. One double acting tool can be operated or two single acting tools at one time. Connection to one port for single acting tools will work since the control valve will dump the fluid when shifted to the retract position. The pump is very compact and comes with carrying handles.

**NOTE:** When using any of these high pressure tools, always use 10,000 psi rated non-conductive hose (NC-16 series).



## HPM-P3

5.5 HP, Gas Engine 10,000 psi  
Hydraulic Pump



### SPECIFICATIONS

Engine Type	Honda Air-cooled, 4-stroke OHV
Oil Capacity	2.5 Gallons
Power Output	5.5 HP @ 3600 RPM
Max Pressure	10,000 psi
Oil Delivery @ low pressure	2.6 gallons/min
Oil Delivery @ high pressure	.63 gallons/min
Fuel Tank Capacity	3.3 Quarts
Fuel	Unleaded Gasoline ONLY
Weight	120 lbs.

### FEATURES

- Inline Pressure gauge located on valve for easy reading
- Supplied with carrying cage and castors for easy maneuvering.
- High efficiency and fast working gasoline pump.
- Better Fuel Consumption and Engine Performance
- Oil Sight Gauge
- Easy Pressure Valve Adjustments

The **HPM-P3** is a self-contained high pressure pump, with manual operation. It is equipped with a 5.5 HP Honda engine. A four-way valve controls the hydraulic fluid direction for the advance and retract modes. One, double-acting tool can be operated or two, single-acting tools at one time. Connection to one port for single acting tools will work since the control valve will dump the fluid when shifted to the neutral position. The pump is very compact and comes with carrying cage.

**NOTE:** When using any of these high pressure tools, always use 10,000 psi rated non-conductive hose (NC-16 series).

## HIGH-PRESSURE HYDRAULIC PUMPS, HOSE & COUPLERS



### High-Pressure Hydraulic Hose

10,000 psi hose is used with high pressure cutting and compression tools. Standard sets include male couplers on both ends. Female couplers are also available.

PART #	Diameter	Length
NC-1610	3/8"	10'
NC-1625	3/8"	25'

### EHP700L11

Battery Powered Pump, 120v Charger

#### SPECIFICATIONS

Application: Crimping, Cutting, Punching  
(High Pressure)

Coupler Size: 3/8" Female

Height: 11.5" (292mm)

Includes: Shoulder Strap, 6' corded magnetic remote, 2-18V 3.0Ah Li-Ion Batteries, 120V Charger

Length: 14.0" (356mm)

Material: Fiberglass reinforced Polyamid

Number Of Stages: 2 Stage Motor

Pressure Rating: 10,000 PSI

Type: Battery Powered

Useable Oil Capacity: 0.80 qt (0.76l)

Voltage Rating: 18V 3.0Ah Li-Ion Battery

Weight: 14.1 lbs.

Width: 6.5" (165mm)



- Operates with any 10K PSI single acting remote heads
- 3 in 1 pressure specific program settings for crimping cutting and punching
- Dashboard display provides real time monitoring of operation
- On-board and remote rocker switches for pump activation

## LOW-PRESSURE HYDRAULIC POWER UNITS



### REC-P1: ROBO\*PUMP

10,000 psi Battery Powered 28.8 Volt Pump

The Huskie **REC-P1** is a 28.8 volt, battery operated hydraulic pump that runs on two 14.4 Volt Huskie BP-80 series batteries. The **REC-P1** is supplied with a push button remote control that allows the operator to advance, hold, and retract when needed. The user is never committed to a full cycle and can always back off at any time during the advance even when the pump is under pressure. High pressure, non-conductive hose can be attached to a 360° moveable swivel port on the pump. This swivel port allows the user to position the hose to fit in confined aerial buckets and manholes.



**SEE MORE INFO ON PAGE 165**



### GT18B02 Hydraulic Power Unit

It's portable, lightweight and quiet. It comes standard with an 18 hp Briggs & Stratton engine. With an open-center system, this pump runs most low pressure tools.

Flow Rate	Pressure	Weight
5 or 8 gpm	2,000 psi	330 lbs.



### F20 Hydraulic Power Unit

The electric key-start 20 hp Honda engine has a low-oil shutdown system. It has an open-center system and features an engine hour meter, tachometer and a variable oil flow to 10 gpm.

Flow Rate	Pressure	Weight
5 to 10 gpm	2,000 psi	259 lbs.



### F13 Hydraulic Power Unit

The 13 HP 4-stroke Honda engine has an easy-pull recoil start. Supplied with quick-release telescoping handles and low-oil alert and shutdown system. Open center system.

Flow Rate	Pressure	Weight
5 to 8 gpm	2,000 psi	168 lbs.



## LOW-PRESSURE HYDRAULIC HOSE & COUPLERS

2,250 psi hose is used with low pressure hydraulic tools. These hoses can be supplied with or without flat face couplers. Black hose is vulcanized, wire-braided reinforced; Red hose is non-conductive.



Shown without Couplers

PART #	Diameter	Length	Color
<b>135245</b>	3/8"	8'	Red
<b>135247</b>	3/8"	10'	Red

To add couplers to hose, add "MF" to the part number.  
Other lengths of hose are available.



**54925 Female Coupler**  
3/4"-16 SAE O-Ring,  
External Thread



**54923 Male Coupler**  
3/4"-16 SAE O-Ring,  
External Thread



**FF3716FP Female Coupler**  
3/8" Internal Thread

**FF3718FP Female Coupler**  
1/2" Internal Thread



**FF3726FP Male Coupler**  
3/8" Internal Thread

**FF3728FP Male Coupler**  
1/2" Internal Thread



**TE2066-6-8S Swivel Coupler**  
3/8" NPT Female to 3/4 x 16 O-Ring

**TE03-6900-6-6 Swivel Coupler**  
3/8" NPT Female to 9/16 x 18 O-Ring

### Low Pressure Hydraulic Couplers



PART #	Thread	Type
<b>NS-372-6FP</b>	3/8"	Ext Female
<b>NS-371-6FP</b>	3/8"	Int Male

Dirts Caps Included

## HYDRAULIC FLOW VALVES & INTENSIFIERS

**49913**

### Hydraulic Flow Control Valve

Used to control the direction of the flow to the tools, forward or reverse. Includes couplers.



**HFC30**

### Hydraulic Flow Control Valve

Operates off of a vehicle's hydraulic circuit. It can accept a flow of up to 30 gpm and reduce it to a maximum of 10 gpm allowing the correct flow to the hydraulic tool.



### 10-1-SA Hydraulic Intensifier

This intensifier increases the pressure of the hydraulic system of a vehicle so that high-pressure tools can be operated without an additional power unit. It operates on either open or closed center systems and has an optimum operating pressure of 1,800 psi at 6 gpm. Flow range is 4 - 7 gpm. Includes a 10' non-conductive, low-pressure twin-line hose and 8' of high-pressure hose.



### HB10 Hydraulic Intensifier

Works on both open and closed center systems and produces 10,000 psi. Input pressure is from 1,000 to 2,000 psi and has a flow rate between 4 - 8 gpm. Couplers & hose sold separately.



PVA0021

### High-Pressure Hydraulic Control Valves

These 4-way, 3-position valves can be connected directly to the tool or used remotely with hoses. Output side couplers included.

**PVA0021** for Single Acting Tools

**PVA0022** for Double Acting Tools



PVA0022

### 04182 Hydraulic Flow & Pressure Gauge

Used to test the hydraulic circuitry by measuring the backpressure, resistance and flow. Includes couplers.



## POWDER-ACTUATED WEDGE TOOLS



### AMPACT TOOLS

Precision designed tools for installing taps and stirrups to solid or stranded conductor; aluminum to aluminum, aluminum to copper or copper to copper.

These tools are actuated by firing a special powder-loaded shell within the tool. The shells are color coded to indicate the powder charge and to correspond with the color coding of the taps & stirrups.



**47667-8 Small Head Only**

**69633-2 Large Head Only**

**69612 Universal Power Unit**

Fits both Small & Large Heads



**69437 Small Ampact Tool**

For Red, White & Blue Taps  
#8 through 350 kcmil

**69611 Large Ampact Tool**

For Yellow Taps  
336 through 1192 kcmil



**306814-3 Auxillary Platform**

Required when installing AMP red-coded copper wedge connectors.



PART #	Tape Color
<b>69684</b>	Red
<b>69685</b>	Blue
<b>69947</b>	White
<b>69847</b>	Yellow

### Take-Off Clips

The four types of take-off clips are used with the Ampact Tools to remove terminated taps and stirrups from conductors.



### AMPACT Hot Stick Kit

Adapts AMPACT tools to standard commercial hot stick equipment. The kit handles AMPACT taps and stirrups from No. 8 to 556.5-27/7 ACSR. (With additional components, it can be used on conductors to 1192.5-45/7 ACSR.)



**314199-1**  
**Cleaning Tool**

## FIBERGLASS SHOTGUN STICKS

### Internal Rod Shotguns

The operating rod is inside the main pole and is available in the Fixed Length style only.

#### Fixed Length Style

PART #	Length	Storage Bag
<b>8204</b>	4-1/2'	C-8104
<b>8206</b>	6-1/2'	C8106
<b>8208</b>	8-1/2'	C8108
<b>8210</b>	10-1/2'	C8110
<b>8212</b>	12-1/2'	C8112

Add "U" suffix for Universal End

### External Rod Shotguns

The operating rod is outside of the main pole making all parts easily accessible for cleaning an inspection.

#### Fixed Length Style

PART #	Length	Storage Bag
<b>8104</b>	4-1/2'	C-8104
<b>8106</b>	6-1/2'	C8106
<b>8108</b>	8-1/2'	C8108
<b>8110</b>	10-1/2'	C8110
<b>8112</b>	12-1/2'	C8112

#### Hinged Style

PART #	Length	Storage Bag
<b>13412</b>	6-1/2'	01-015
<b>13413</b>	8-1/2'	01-015
<b>13414</b>	10-1/2'	01-017
<b>13415</b>	12-1/2'	01-017

#### Telescoping Style

PART #	Retracted	Length	Storage Bag
<b>8158</b>	5' - 1"	5'-1", 6'-6", 8'	C-35
<b>81611</b>	6' - 6"	6'-6", 8', 9'-6", 11'	C-8106
<b>81-814</b>	8'	8', 10', 12', 14'	C-8108
<b>81-1018</b>	9' - 10"	9'-10", 11'-9", 13'-6", 15'-6", 17'-6"	C-8110

Add "U" suffix for Universal End





## TELESCOPING, UNIVERSAL & DISCONNECT STICKS

A variety of lengths allows the lineman to perform many routine jobs from the ground. The universal end fitting accepts a wide range of attachments to complete many different jobs with one tool. The top section of the Tip Lock style retracts and locks into the next section giving it double wall strength

### Single Spline

PART #	Length
567-4	4'
567-6	6'
567-8	8'
567-10	10'
567-12	12'

### Double Spline

PART #	Length
4678-4	4'
4678-6	6'
4678-8	8'
4678-10	10'
4678-12	12'

### Switch Sticks

PART #	Length
460-4	4'
460-6	6'
460-8	8'
460-10	10'
460-12	12'

### Disconnect Sticks

PART #	Length
461-4	4'
461-6	6'
461-8	8'
461-10	10'
461-12	12'



Switch Stick

### Tip Lock Style, 7/8" Tip

PART #	Retracted	Length
ST-216	4' - 8"	12'-4", 16'
ST-220	4' - 10"	17', 20'
ST-225	5'	17', 21", 25'-6"
ST-230	5' - 2"	17', 21'-6", 26', 30'
ST-235	5' - 3"	17', 21'-6", 26', 30', 35'
ST-240	5' - 5"	22', 26', 30', 35', 40'

### Heavy Duty, 1-3/32" Tip

PART #	Retracted	Length
SH-212	3' - 8"	12'
SH-216	4' - 10"	9', 13', 17'
SH-200	5'	13', 17'-6", 21'-6"
SH-250	5' - 2"	13', 17'-6", 21'-6", 26'
SH-230	5' - 3"	13', 17'-6", 21'- 6", 26', 30'

### Triangular "No-Twist"

PART #	Retracted	Length
HV-208	2' - 2"	8'
06-185	Stick Holder for HV-208	
HV-312	3' - 1"	12'
06-186	Stick Holder for HV-312	
HV-212	4' - 10"	12'-7"
HV-216	5'	16'-9"
HV-220	5' - 2"	21'
HV-225	5' - 4"	25'-6"
HV-230	5' - 6"	30'
HV-235	5' - 8"	35'
HV-240	5' - 9"	39'-6"



Triangular No-Twist

## MEASURING STICKS

Safely measure vertical heights. Available in English or Metric graduations. Used to measure overhead lines, telephone, cable-TV, highway clearances, and structures.

### FEATURE AND BENEFITS:

- Eye-level reading, no calculations required, the read-height is shown at the top of the base section
- Positive locking buttons, spring-loaded, fast accurate and easy to extend
- Standardized parts for quick and easy repair and replacement

PART #	Extended	Retracted	Weight	Case
<b>E-25</b>	25'	65 3/4"	3.2 lbs.	C-35
<b>E-30</b>	30'	65 3/4"	4.5 lbs.	C-35
<b>E-35</b>	35'	65 3/4"	5.9 lbs.	C-35
<b>E-40</b>	40'	65 3/4"	7.5 lbs.	C-35
<b>E-50</b>	50'	69 3/16"	13.2 lbs.	C-40
<b>M-25</b>	7.5 METERS	1.67 METERS	1.5 kg.	C-35
<b>M-35</b>	10.5 METERS	1.67 METERS	2.7 kg.	C-35
<b>M-40</b>	12 METERS	1.67 METERS	3.4 kg.	C-35
<b>M-50</b>	15 METERS	1.76 METERS	6.0 kg.	C-40

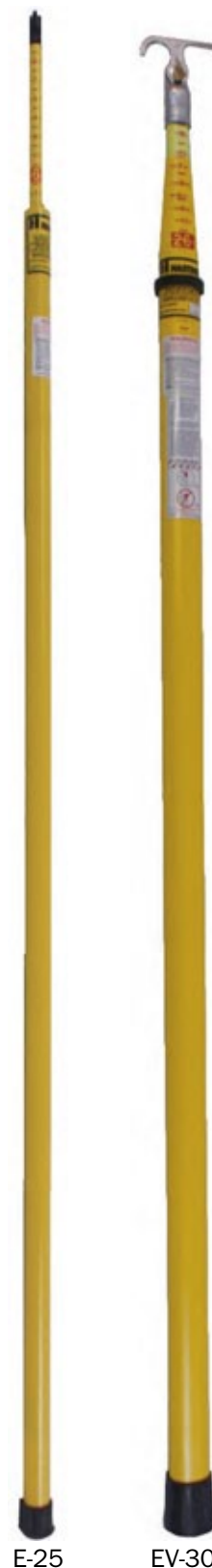
## COMBINATION HOT STICK AND MEASURING STICK

One stick does it all, the heavy duty Tel-O-Pole II and Measuring Stick, all in one. Available in English or Metric graduations.

### FEATURE AND BENEFITS:

- Open and close switches, disconnects, line fuses, cut outs, as well as measure elevated heights
- Eye-level reading, no calculations required, the read-height is shown at the top of the base section
- Markings are printed in large easy to read numbers
- English models are in feet and inches
- Metric models are in meters and centimeters

PART #	Extended	Retracted	Base Dia.	Weight	Case
<b>EV-25</b>	25' 6"	64"	1.91"	8.1 lbs.	C-40
<b>EV-30</b>	30'	66"	2.07"	10.0 lbs.	C-40
<b>EV-35</b>	35'	68"	2.22"	12.1 lbs.	C-40
<b>EV-40</b>	39' 6"	69"	2.38"	14.4 lbs.	C-40
<b>MV-25</b>	7.8 METERS	1.63 METERS	4.85 cm	3.7 kg.	C-40
<b>MV-30</b>	9.2 METERS	1.68 METERS	5.25 cm	4.5 kg.	C-40
<b>MV-35</b>	10.6 METERS	1.72 METERS	5.6 cm	5.5 kg.	C-40
<b>MV-40</b>	12 METERS	1.75 METERS	6.04 cm	6.5 kg.	C-40



E-25

EV-30



# FIBERGLASS SHOTGUN STICKS

## External Rod Shotguns

The operating rod is outside of the main pole making all parts easily accessible for cleaning an inspection.

### Fixed Length Style

PART #	Length	Storage Bag
<b>C403-0291</b>	4-1/2'	P6434
<b>PSC4030291005</b>	5'7"	P6436
<b>C403-0292</b>	6-1/2'	P6436
<b>C403-0293</b>	8-1/2'	P6438
<b>C403-0294</b>	10-1/2'	P64310
<b>C403-0295</b>	12-1/2'	P64312

Add "A" suffix for Universal End Fitting

### Telescoping Style

PART #	Retracted	Lengths
<b>C403-1035</b>	5' - 3"	5'-7", 6'-9", 8'
<b>C403-1036</b>	8' - 3"	8'-7", 10'-4", 12'-2", 14'

### Telescoping w/ Universal End

PART #	Retracted	Lengths
<b>C403-3060</b>	5' - 6"	5'-10", 7'-1", 8'-4"
<b>C403-3061</b>	8' - 6"	8'-10", 10'-8", 12'-6", 14'-4"



## M1867

### Universal Shotgun Adapter

Converts any shotgun to use all Universal Tool attachments.

## Hinged Style

PART #	Folded	Extended	Storage Bag
<b>C403-0296</b>	3' - 4"	6-1/2'	P6432
<b>C403-0297</b>	4' - 4"	8-1/2'	P6432
<b>C403-0298</b>	5' - 4"	10-1/2'	P6433
<b>C403-0299</b>	6' - 4"	12-1/2'	P6435
<b>C403-0342</b>	7' - 4"	14-1/2'	PSP6435005
<b>C403-0343</b>	8' - 4"	16-1/2'	PSP6435004

Add "A" suffix for Universal End Fitting

← Universal End Fitting

## TELESCOPING HOT STICKS

A variety of lengths allow the lineman to perform many routine jobs from the ground. The universal end fitting accepts a wide range of attachments to complete many different jobs with one tool.

### Standard Duty, 1-1/16" Tip

PART #	Retracted	Length	Storage Bag
T403-2205	2' - 4"	7'-2"	C4032813
T403-3240	3'	7'-6", 11'	
C403-1739	4'	14', 17', 20', 23'	P6434
C403-1023	4' - 8"	8'	P6434
C403-1017	4' - 9"	8', 12'	P6434
C403-1018	4' - 11"	12', 16'	P6434
C403-1019	5' - 1"	12-1/2', 16-1/2', 20'	P6213
C403-1020	5' - 3"	16-1/2', 20-1/2', 25'	P6213
C403-1021	5' - 5"	17-1/2', 21-1/2', 25-1/2', 30'	P6213
C403-1022	5' - 7"	22', 26', 30-1/2', 35'	P6215
T403-3349	6' - 3"	22', 28', 34', 40'	P6216

### Heavy Duty, 1-1/4" Tip

PART #	Retracted	Length	Storage Bag
C403-1597	4' - 8"	8'	P6434
C403-1598	4' - 9"	8', 12'	P6434
C403-1599	4' - 11"	12', 16'	P6434
C403-1600	5' - 1"	12-1/2', 16-1/2', 20'	P6213
C403-1601	5' - 3"	16-1/2', 20-1/2', 25'	P6213
C403-1602	5' - 5"	17-1/2', 21-1/2', 25-1/2', 30'	P6213

### Measuring Sticks

These telescoping measuring sticks are marked in both English and Metric scales.

PART #	Retracted	Length	Storage Bag
C403-1021EM	5' - 5"	30'	P6434
C403-1022EM	5' - 7"	35'	P6215



*Order Vinyl Storage Bags  
to protect your sticks.*



# UNIVERSAL & DISCONNECT STICKS



### Universal Sticks

Designed to accept the universal tools and more. Double spline sticks have a universal fitting on both ends. Made of 1-1/4" diameter FRP

#### Single Spline

PART #	Length	Storage Bag
H1760-1	6' - 1"	P6436
H1760	8' - 2"	P6438

#### Double Spline

PART #	Length	Storage Bag
H1760-3	6' - 3"	P6436
H1760-4	8' - 3"	P6438
H1760-10	10' - 3"	P64310
H1760-12	12' - 3"	P64312



### H1761 Universal Storm Tool

The two rubber insulator skirts provide extra leakage distance and disrupts water paths that would otherwise run down the pole. 1-1/4" x 8'-2".

### P6438 Storage Bag



### Disconnect Sticks

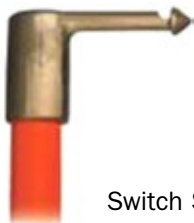
Designed primarily for opening and closing disconnect switches and cutouts as well as installing and removing open-link fuse links.

#### Switch Sticks, 1-1/4" Diameter

PART #	Length	Storage Bag
H3046-12	6'	P6436
H3046-13	8'	P6438
H3046-14	10'	P64310
H3046-17	12'	P64312

#### Disconnect Sticks, 1-1/2" Diameter

PART #	Length	Storage Bag
H3046-22	6' - 1"	P6436
H3046-23	8' - 1"	P6438
H3046-24	10' - 1"	P64310
3046-15H	12' - 1"	P64312



Switch Stick Head



Disconnect Head



## SPECIALTY HOT STICKS



### Wire-Holding Sticks

These fiberglass tools can be used on or around energized conductors for forming, bending and positioning jumper wires and also for holding conductors during splicing operations. The gripper head has an eye so that other sticks can assist with heavy bending and has a capacity of #6 solid copper through 1590 ACSR. The head can be locked into three positions to engage and position conductors from almost any angle.



PART #	Length
<b>C403-3068</b>	1-1/4" x 6'-5"
<b>C403-3069</b>	1-1/4" x 8'-5"

### Tie Sticks

Rotary Prong Tie Sticks are used for handling looped ties. Two-Prong Tie Sticks are used for handling hot ties with loops. Rotary Blade Tie Sticks have a swivel action for greater freedom of movement than fixed-blade sticks.

PART #	Head	End	Length
<b>H1855-19</b>	Rotary Prong	Universal	8'-3"
<b>H1855-20</b>	Two-Prong	Universal	8'-4"
<b>H1855-25</b>	Rotary Prong	Rotary Blade	8'-2"
<b>H1855-26</b>	Rotary Blade	Universal	8'-3"



Rotary Prong



Two-Prong



Rotary Blade



### Impact Elbow Puller Tools

These tools are used to remove elbow connectors from bushings of transformers. The integral hook on the tool head fits through the rubber eye of an elbow or the metal hook of a bushing cap adding extra control and pulling power to the grippers. Order grippers separately.

#### Elbow Puller Tools

PART #	Length
<b>C403-1851</b>	4-1/2'
<b>C403-1822</b>	6'
<b>C403-1850</b>	8'



C403-0704

#### Elbow Grippers

PART #	Rating
<b>C403-0704</b>	15kV
<b>C403-0613</b>	25kV

34.5kV Grippers are available

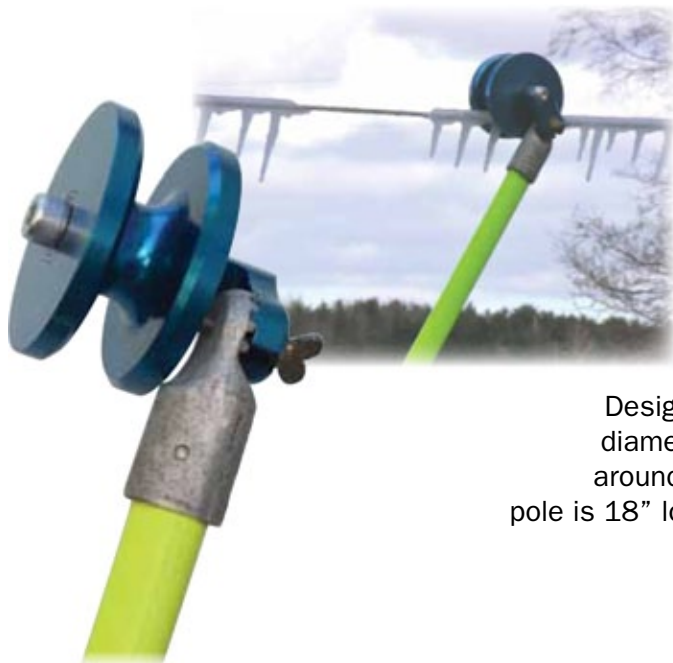
## SPECIALTY HOT STICK ATTACHMENTS



### T403-3009 Torque Extension Stick for Hydraulic Power Tools

This insulated stick permits hot-line work with hydraulic impact wrenches on bucket trucks. The 7/16" hex shank end connects to the wrench and the square end with detent-ball fitting accepts all 1/2" drive sockets.

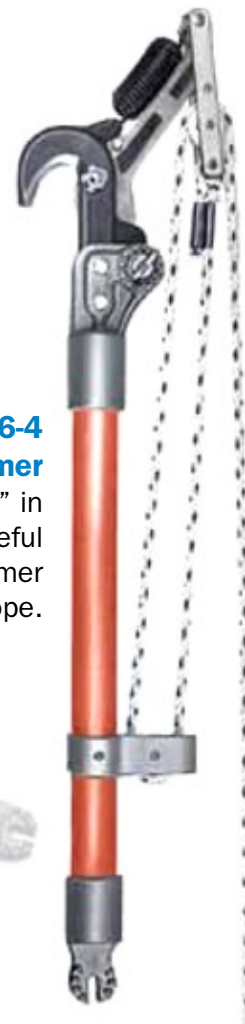
The 1-1/4" x 4' pole has a 75 ft-lb rating.



### H2106-4

#### Universal Tree Trimmer

Designed to cut branches up to 1-1/2" in diameter, this trimmer is especially useful around energized conductors. The trimmer pole is 18" long and comes with 25 feet of rope.



### IB5 The IceBuster

Easily and thoroughly removes ice build-up from any wire up to 336 ACSR. The 5" wheel is placed over the icy wire. Then with minimal downforce, the user simply walks down the line and the ice shears right off the wire.



### C4032213 Pruning Saw

16" Teflon Coated

### Arc Snuffer Removal & Replacement Tools

These hot-line tools permit easy retrieval of broken arc snuffers and the installation of replacements without having to de-energize the URD bushings. The Removal Tool works like a bolt extractor. The damaged arc snuffer is removed by simply unscrewing the broken part.

The Replacement Tool controls the alignment with a center post that snaps into the arc snuffer bore. The two steel lugs of the tool are inserted into the holes of the snuffer collar for tightening torque.



**C403-2037**  
Removal Tool



**C403-2036**  
Replacement Tool

Fits most 15 & 25kV snuffers.

## UNIVERSAL ATTACHMENTS



**M4455-69**  
**Rotary Prong**  
 Tie Stick Head



**M4455-70**  
**Rotary Blade**  
 Tie Stick Head



**M4455-17**  
**Fixed Prong**  
 Tie Stick Head



**M4455-103**  
 Cotter Key Holder



**M4455-96**  
 Cotter Key Puller



**M4455-79**  
 Spiral Disconnect



**M4455-38**  
 Clear Vision Mirror



**M4455-85**  
 Hammer



**M44559**  
 Disconnect Head



**M4455-50**  
 Skinning Knife



## UNIVERSAL ATTACHMENTS



**M4455-46**  
Flexible Wrench Head



**M4455-12**  
Snapout Cotter Key  
Remover



**M4455-102**  
Clevis Pin  
Installer



**M4455-23**  
Hack Saw



**M4455-28**  
Screw Driver



**M4455-39**  
Shepherd Hook



**M4455-67**  
Wrench Head



**M4455-72**  
Conductor Gauge



**M4455-82**  
Cotter Key Tool



### Double Header Universal Attachment

The DOUBLE-HEADER Universal Attachment tool is a unique tool that linemen can use on the end of an extendo or insulated switch stick. It allows the use of two different tools on one stick.

They say “two heads are better than one” and MADI agrees. Save time and carry fewer hot sticks by using the DOUBLE-HEADER to attach two different universal tool accessories to the same stick. The DOUBLE-HEADER maximizes speed and convenience. Why change the accessory when you can just twist the stick!



**M4455-87**  
Ball Socket  
Adjuster

## UNIVERSAL ATTACHMENTS



**UH-016**

Photo Cell Tester



**M4455-93**

Conductor Brush



**10-180**

Conductor Brush



**M4455-63**

Conductor Brush



### TEBB Bulb Biter

This bulb changer is made of 100% rubber and will not scratch or shatter bulbs. It fits a variety of bulbs including:

- 70 to 150 Watt Sodium
- 100 & 175 Watt Mercury
- 175 & 250 Watt Metal Halide

### TEBB-S Super Bulb Biter

A larger version that accepts 400 watt Mercury and 400 watt Metal Halide bulbs.



**200-A**

Broken Lamp Changer



**M4455-6**

Ratchet Wrench



**M4455-89 Bolt-Thru Wrench**

For 5/8" Hardware



**M1867**

Universal Shotgun Adapter



**TE08IRW-U**

### 1/2" Drive Insulated Ratchet Wrench

This 9" polymer wrench provides protection against electrical shock up to 1,000 VAC.

**TE06IRW-U**

### 3/8" Drive Insulated Ratchet Wrench



**151-ACA**

### Lamp Changer

100-200 Watt Bulbs

**152-AC**

### Lamp Changer

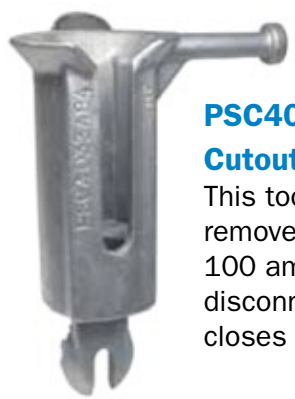
300-500 Watt Bulbs

**153-AC**

### Lamp Changer

750-1500 Watt Bulbs

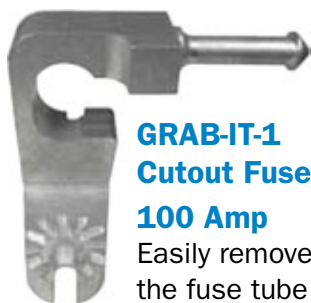
# UNIVERSAL ATTACHMENTS



**PSC403-3484**  
**Cutout Tool**  
This tool holds, installs and removes most brands of 100 amp fuse holders. The disconnect prong opens and closes cutouts.



**LITFINGER**  
**Lighted Disconnect Head**  
With a built-in LED light, this tool is perfect for dark or unlighted areas and night operations. Includes 3 AAA Batteries.



**GRAB-IT-1**  
**Cutout Fuse Puller, 100 Amp**  
Easily removes and installs the fuse tube from the cutout body.



**TESF1 Safety Finger**  
A safety device for installing and removing cutout fuse barrels. The spring-loaded design firmly holds the fuse barrel in place and prevents it from falling. Fits standard 100 amp cutout fuse barrels.



**GRAB-IT-2**  
For 100 & 200 Amp Fuses



**C403-0177**  
All-Angle Pliers



**M4455-77**  
Fuse Puller, 1/2" - 1-1/2"



**10-096**  
Armor Rod Tool



**C403-1071**  
Hot Rodder Tool, 1-3/4" Loop

**C403-0834**  
Hot Rodder Tool, 3" Loop

## FIBERGLASS HOOK LADDERS

### Swivel Hook Ladders

Swivel Hook Ladders come standard with 8" hooks though 14" and 18" hooks can be special ordered. Standard Duty Ladders have 2" side rails and Heavy Duty Ladders have 2-1/2" side rails. Both styles of ladders have 14-1/2" rungs.



### Regular Duty Ladders

PART #	Length	Weight
H4904-8	8'	42 lbs.
H4904-10	10'	46 lbs.
H4904-12	12'	52 lbs.
H4904-14	14'	60 lbs.
H4904-16	16'	68 lbs.

### Heavy Duty Ladders

PART #	Length	Weight
H4905-8	8'	47 lbs.
H4905-10	10'	55 lbs.
H4905-12	12'	63 lbs.
H4905-14	14'	70 lbs.
H4905-16	16'	76 lbs.
H4905-18	18'	85 lbs.
H4905-20	20'	98 lbs.

### Spliced Ladders

Spliced Ladders can be combined to reach lengths up to 32 feet. They have 2-1/2" rails and top sections are provided with 8" hooks complete with chains.

### 2 Rail Spliced Ladders

PART #	Description	Weight
C402-0482	10' Top Section	44 lbs.
C402-0402	12' Top Section	48 lbs.
C402-0404	14' Top Section	52 lbs.
C402-0407	16' Top Section	56 lbs.
C402-0411	20' Top Section	64 lbs.
T402-0423	10' Middle Section	44 lbs.
C402-0418	8' Bottom Section	28 lbs.
C402-0421	10' Bottom Section	32 lbs.
C402-0422	12' Bottom Section	36 lbs.

### 3 Rail Straight & Spliced Ladders

PART #	Description	Weight
C402-0119	20' Straight Ladder	100 lbs.
C402-0512	8' Bottom Section	43 lbs.
C402-0514	12' Bottom Section	22 lbs.
C402-0514	12' Top Section	62 lbs.



### Insulated Platforms

PART #	Length	Weight
C402-1042	4'	49 lbs.
C402-1043	6'	56 lbs.
C402-1079	8'	60 lbs.

### Epoxiglas Insulated Platforms

Insulated Platforms feature 12" of clear insulation provided by two 2" diameter poles connecting the platform to the mounting bracket. Order mounting brackets, tripods or railings separately.

### Mounting Brackets

PART #	Description	Weight
M4901-10W	Fixed Pole Mount	9 lbs.
M4901-21	Fixed Tower Mount	10 lbs.
C402-1164	Pivot Base for 42" & 4' Platforms	28 lbs.
C402-1173	Pivot Base for 6' & 8' Platforms	29 lbs.

### Tripods & Railings

PART #	Description	Weight
H4964	Tripod for 4' Insulated Platform	9 lbs.
C402-1055	Railing for 4' Insulated Platform	13 lbs.
C402-0023	Railing for all 6' Platforms	15 lbs.
C402-0024	Railing for all 8' Platforms	17 lbs.



Shown with Optional Pivot Base and Tripod



## ROUND EPOXIGLAS EXTENSION ARMS

These arms are designed for use on voltages up to 15kV. They can also be used on voltages up to 34.5kV by fitting the wireholders with an insulator. The maximum vertical load is 150 per wireholder lbs except the C400-1310 which has a 300 lbs rating.



PART #	Dimensions	# of Wire Holders	Crossarm Size	Weight
<b>H4800-60</b>	2-1/2" x 5'	1	3-3/4" x 4-3/4"	11-1/2 lbs.
<b>H4800-72</b>	2-1/2" x 6'	2	3-3/4" x 4-3/4"	13 lbs.
<b>C400-1310</b>	3" x 6'	2	3-3/4" x 4-3/4" & 6" x 6"	24 lbs.
<b>T403-2417</b>	2-1/2" x 6'	2	3-3/4" x 4-3/4" & 6" x 6"	15 lbs.

## SUPER "U" EXTENSION ARMS

The "U" shaped profile gives these arms a load rating of 200 lbs per wireholder. These arms are furnished with an insulator on each wireholder giving them a 35kV rating.

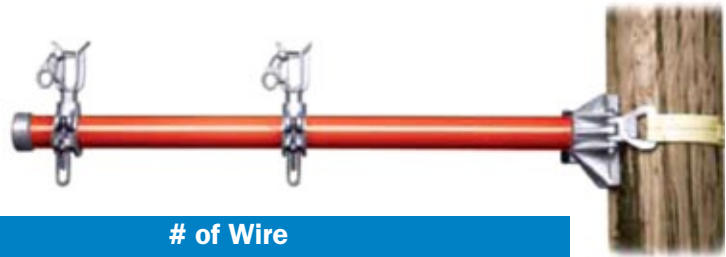


PART #	# of Wire Holders	Crossarm Size	Weight
<b>7545</b>	2	4-1/4" x 6-3/4"	18.8 lbs.
<b>7547</b>	1	4-1/4" x 6-3/4"	15.4 lbs.

## FIBERGLASS CONDUCTOR SUPPORTS & GINS

### Round Conductor Support Arms

Insulated temporary conductor supports to hold energized distribution conductors up to 15kV. For higher voltages, use M4805-7 insulator. The working load is 150 lbs per wireholder on the T400-1939 and 200 lbs on the T400-1940.



PART #	# of Wire		Length	Weight
	Holders			
<b>T400-1940</b>	1		30"	14 lbs.
<b>T400-1939</b>	2		48"	18 lbs.



PART #	# of Wire		Length	Weight
	Holders			
<b>5045</b>	1		34-3/4"	14.3 lbs.
<b>5047</b>	2		49-7/8"	18 lbs.

### Super "U" Conductor Support Arms

Designed for reconductoring and maintenance of line voltages up to 34.5kV. They have a load rating of 200 lbs per wireholder and a 44" long ratcheting nylon strap binder.



### 5607 Crossarm Sling

Made of 12 plies of nylon laminated together with neoprene. Resistant to oil, creosote and moisture. 23-1/4" long.



### H20 Transformer Gin

The yoke casting fits over most distribution crossarms. At a maximum 300 angle from vertical, it has a load rating of 750 lbs.



### T400-1938 Transformer Gin

This ratcheting strap type transformer gin has a 5" extended base. The maximum rating is 2,000 lbs. and the 2" x 44" strap fits most structures.



### 5800-5 Transformer Gin

The eye of this ductile iron gin stands 10-5/8" off of the pole. It comes with a ratcheting strap binder and the working load limit is 1,900 lbs.

## VOLTAGE TESTERS

### Ampstik®

#### High Voltage Ammeter

- Slips on and off the conductor with +1% accuracy
- Measures Amps
- Open CT that rejects stray magnetic fields
- Sample and hold measurements High voltage rated 500kV



### Ampstik® Plus

#### High Voltage Ammeter (stores four readings)

- Slips on and off the conductor with +1% accuracy
- Sample and hold four unique measurements
- Open CT that rejects stray magnetic fields
- Single button operation & Flame resistant housing



### Radio Ampstik®

#### Radio Linked Multiple Reading Ammeter

- Heads Up Display for instant conformation of the reading
- Records up to four readings with remote read out up to 50 feet away
- Operates in the 900 MHz non licensed frequency band & new non-conductive Universal Chuck
- Mount the Display on the hotstick or hold in your hand



### Ohmstik

#### Live-Line Ohmmeter

- Measure microhm resistance on a live high voltage conductor
- Superior measurement compared to infrared thermography
- Measures resistance using AC current in the line
- Measures & displays both amps and micro-ohms



## VOLTAGE TESTERS

### Qualstik Plus Power Quality Meter

- Slip over a high voltage conductor & collect four power quality measurements
- Measures Amps & leading or lagging Power Factor
- Measures Total Harmonic Distortion (THD) & indicates direction of current flow
- Stores up to nine sets of readings



### Troubleman's Kit Radio Based Ammeter & Voltmeter

- Measure both Amps & Volts on Primary Distribution Circuits
- Two Probes, One Remote Display with 1% Accuracy for both Amps & Volts
- One Volt Resolution to 37,000 Volts One Amp Resolution to 5,000 Amps
- Troubleshoot Problems on Distribution Circuits



### Amcorder Recording Ammeter

- Collect and analyze load profiles
- Patented open CT sensor with  $\pm 1\%$  accuracy
- Easily clamps to the line in seconds
- Recorded data quickly downloads into the user's PC



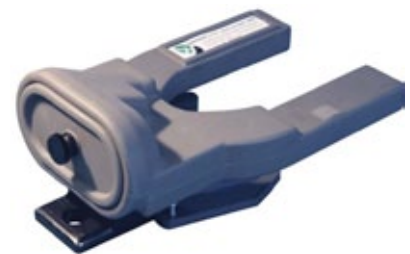
### Varcorder Amp, Power Factor, & VAR Recorder

- Collect & analyze load & power profiles
- Easily clamps to the line in seconds
- Infrared communication with no annoying cables to connect
- Softlink interface generates reports & creates graphs for profile analysis



### Amcorder UG Underground Recording Ammeter

- Collect & analyze load profiles
- Use on Underground Circuits
- Open CT sensor with  $\pm 1\%$  accuracy
- Easily clamps to the line in seconds & is submersible





## LINE ISOLATION VERIFIER

### NON CONTACT DETECTION OF AC POTENTIALSON CONDUCTORS

- Single point measurement of conductors
- No contact or ground required
- Wide voltage detection range
- Highly directional
- Light weight and rugged
- Simple operation
- Audio and visual indicators
- Patented signal filtering design
- 1000's of units in service
- Over 15 years field usage



Bot Engineering's Line Isolation Verifiers (LIVs) and Line Verification Testers (LVTs) are lightweight rugged devices that have been specially designed to detect the presence of AC potentials on unshielded conductors. Typical uses include line isolation verification (to verify electrical isolation before applying temporary grounds) and line verification testing (to verify the energized status of an electrical conductor).

LIVs and LVTs operate by sensing the electrical field that surrounds a energized conductor. Electrical connections are not required for this device to measure electrical voltages. The device is turned on by releasing a white locking nut and extending a plunger that is located on the top of the device. The user slides the plunger out until the desired test voltage is indicated on the plungers scale. The locking nut is then tightened and the LIV/LVT is ready to use. The LIV/LVT will alarm with a pulsing audio tone when the device senses a voltage that is greater than 40% of the selected voltage. A high intensity LED located on the bottom of the device will also blink providing a visual indication of the alarm status.

LIV's and LVT's have a patented design utilizing a collimated signal frequency filter that provides maximum sensitivity to energized conductors that fall within 30 degrees of the instrument's centre-line. This unique feature eliminates the adjacent conductor pick-up problem typically encountered with other potential indicating devices.

Over the past 15 years, LVT's and LIV's have achieved broad international acceptance as an accurate, reliable and versatile safety device. Thousands of these units are used daily in countries throughout the world.

Line isolation Verifiers (LIVs) are available in three models, the LIV144, LIV500 and LIV500M. All three models cover a voltage range of 2.4kV to 500kV and are identical except for the voltage markings on the plunger scale. They all also have a URD voltage position (Underground residential distribution) that can be used to verify underground cables at load break elbows.

The Line Verification Tester (LVT144) is similar to Line Isolation Verifiers (LIVs) except that it has been optimized to operate at a lower voltage range of 120VAC to 44KV. Both the LIV and LVT come with a removable hot stick adapter that clips on the units outer tubular surface.

An optional waterproof carrying/storage case is also available.



LIVs and LVTs are used throughout the world for overhead conductor voltage isolation verification. 60, 50, or 25 Hz versions are available as standard units



Typical applications of LVTs and LIVs include buss bar, overhead conductor, and underground cable voltage verification. Operational voltage ranges extend from 120VAC to 500KV.



## VOLTAGE TESTERS

### VD1000TUS Digital Voltage Indicator

The VD1000TUS Digital Voltage Detector is designed for easily indicating AC voltage on Underground capacitive test points, primary, Over head primary and Transmission conductors up to 999.9 kV. The large digital display can be seen and read at distances up to 50'. Unit is perfect for large system voltages from capacitive test points, 1.0kV – 99.9kV Phase to Ground.

Complete kit includes overhead hook and straight probe with 18" foam padded storage case.

**Accessories available:** 3kV AC Proof Tester

#### Features include:

- Large LED Display
- Standard 9 Volt Battery
- Black Sunshield
- 1 Year Free Replacement Warranty
- Capacitive test point, 0-99.9 kV URD, 0-99.9 kV OH, 0-999kV OHT.
- Backlit continuous for nighttime use
- Most versatile and accurate unit in the utility industry
- Shotgun & Hot Stick Compatible (Universal Grip All Accessory)
- LED Segment and Battery Test
- Water Tight Construction
- Durable Modular Construction
- Rated for Indoor and Outdoor Use



### STA-LT-US (URD) Live Voltage Tester

#### Live Voltage Tester kit

- Patented Ferro Electric Detector
- Visual indicators • High quality beeper
- Full in-built self test function
- Water resistant design • Electronic Touch pad control
- Auto power off • Operator feedback -both visual and audible
- Low battery indication
- Universal Handle for use with Gripall Hotstick and universal sticks no adapter needed
- LiveTester is a technological breakthrough in non-contact voltage detectors. By utilizing state-of-the-art electronic circuitry, developed a completely new design in voltage detection equipment.
- Completely new design in voltage detection equipment.
- The patented ferro-electric detector and updated design techniques maximizes reliability and long life, and provides increased safety for today's electrical personnel.
- Static Discriminator technology exclusive in LiveTester provides more reliable detection on low voltage ranges, and now means no more false alarms.
- This makes LiveTester the first non-contact voltage detector suitable for patrolmen work and detecting pole leakage.
- LiveTester incorporates a universal attachment into the handle that can be fitted to a standard Universal or shotgun (gripall) hot stick without any loose adapters.
- Includes 11 range settings from 240v to 230 KV plus 2 URD settings of 15KV and 25kV.
- Includes foam filled case



# PHASING TESTERS

## PD800W Cordless Phasing Tester

The PD800W Cordless Phasing Tester accurately and easily operates in multiple applications including phasing, voltage detection, phase sequencing and phase angle indication. You will only need this one kit for three-phase secondary systems, capacitive test points, URD systems and overhead and transmission/substation systems. This unique tester operates like a conventional phasing tester, but does not require an interconnecting cable or extension resistors. Each probe is water resistant, has a strong construction designed to withstand wear and is completely shielded to minimize stray field interference. Each kit contains a Reference Probe(Transmitter), Meter Probe (Receiver), one straight probe adapter (81280LPM), one hook probe adapter (81280LHM), instruction manual, all stored in a padded case (PD800B).

Both the Reference Probe and the Meter Probe have a five-position selector switch that controls different operating modes.

### PD800W Features:

- OFF - Power off for storage
- DEG - For phase angle measurements from 208V to 800kV
- URD - For phasing and voltage detection on Underground Rural Distribution systems from 4Kv - 35Kv.
- OH - For phasing and voltage detection on overhead systems from 4kV - 69kV
- TEST - Tests internal meter circuitry and displays battery voltage



## 6702 40kV Digital Phasing Tester

Used for overhead and underground testing. The digital display reads in kilovolts and has a lighted background feature. The tester comes with 2 hooks and storage case. Order bushings, hi-pot adapter and extension resistors separately.



**6703**

Pair of Extension Resistors, 40kV



**6702-2**

Hi-Pot Adapter 35kV



**6702-1**

Bushing Adapter  
15/25kV



**6702-1**

Bushing Adapter  
15/25kV



## METERS & TESTERS

### Audio / Visual Voltage Detectors

May be used with rubber gloves or hot sticks.  
Indicates voltage with LED light and audible signal.  
Kit includes tester, shotgun adapter & case.



PART #	Voltage Settings (Phase to Phase)
<b>4556</b>	240V, 4.2kV, 15kV, 25kV, 35kV, 69kV, 115kV, 230kV
<b>4667</b>	240V, 4.2kV, 35kV, 69kV, 115kV, 230kV, 345kV, 500kV
<b>4769</b>	Overhead: 4.2kV, 15kV, 25kV, 35kV, 46kV, 69kV Underground: 15kV, 25kV, 35

### GRT1000 Personal Ground Tester

Clamp-on ground rod/wire resistance tester, designed for loop grounding systems to provide easy and accurate resistance ground measurements.



### Fluke 376 True-rms AC/DC Clamp Meter with iFlex™

Included accessories:

- 18" iFlex™ flexible current probe
- Coated instruction card
- Safety information sheet
- Soft carrying case
- TL75 test leads
- 2 AA Alkaline batteries



### ET-100 Electronic Voltage Tester

- Solid state design is safer than solenoid testers.
- Low impedance to reduce false readings.
- Indicates voltage without battery.
- Voltage indicated by lights, vibration and tone.



### 44030 Phase Sequence Indicator

Can be used on 3-phase, 3-wire, circuits from 60 to 600 volts and on 25 to 60 cycle current.

**44050** Carrying Case





## METERS & TESTERS



### DVI-500T/K02 Digital Voltage Indicator

Reads voltages from 0.1 to 500 kV on overhead and underground systems. There are no switches or settings to be made. Kit includes 2" hook probe, 6" hook probe, underground bushing probe for 15, 25 & 35 kV, proof tester for voltage indicator and storage case.



### DOC-2000 - Distribution Transformer Tester

- For transformers up to 167 KVA Single or three phase (Polemount or Padmount)
- Measurement by contact on the transformer primary bushing and Neutral/Ground
- Used on de-energized transformer.
- Detects primary transformer short-circuit, open circuit & secondary short circuits.
- Visual and audible warning.
- Automatic self-test & Auto shut-off
- Low battery indicator
- Operating temperature -25C to +55C.



### VM-560 Pipe and Cable Locator

The VM-560 pipe and cable locator is general purpose locators used to detect buried pipe and cable services in a variety of situations. The VM-560 has achieved a compact and lightweight design without compromising strength and performance.

With a choice of passive power locating and active 8kHz and 480kHz frequencies the VM-560 is designed to meet the requirements of those wishing to detect the presence of active power cables and also wishing to trace short ranges. It is particularly useful in helping to detect and trace short distance drop wires.



### ST500PGN Service Tester 500 Amps

- Identify bad conductor(s) from the transformer to the meter base
- Indicate integrity of neutral conductor to prevent excessive house ground currents
- Locate both hot legs and neutral at the pedestal and/or transformer blocks.
- Locate bad connectors on overhead spans
- Identify de-energized URD Primary cable in a manhole or ditch

## UNDERGROUND UTILITY LOCATORS



Models 15M and 20

### Servisavor® Series of Temporary Power Restoration Devices

**Get Your Customer Back Online NOW!**

**Get your customers electricity back on in minutes, not days.**

**Eliminate hassle and liability of temporary above ground cabling.**

**Find Secondary Faults on YOUR time, not the cable's time.**

The Servisavor® is a highly mobile unit designed to temporarily restore power to customers who have a single faulted conductor. By connecting the servisavor between the customers meter socket and his meter, power can be restored without immediately locating and repairing the cable fault or running temporary above ground conductors.

The Servisavor® restores load current on an open hot leg up to its current rating. On an open neutral the Servisavor® restores full service up to its current rating in neutral current.



Breaker Box of Metered Unit



Meter Adapter with Neutral Pigtail



Model 25E

### VON Servisavor® Specifications

	Model 15	Model 15M	Model 15E	Model 20	Model 20M	Model 20E	Model 25	Model 25M	Model 25E
Auto Transformer Rating	15kVA	15kVA	15kVA	20kVA	20kVA	20kVA	25kVA	25kVA	25kVA
Circuit Breaker	80 Amp Magnetic	80 Amp Magnetic	80 Amp	100 Amp Magnetic	100 Amp Magnetic	100 Amp	125 Amp	125 Amp	125 Amp
Breaker Box	Sealed Aluminium	Sealed Aluminium	Commercial Breaker Box	Sealed Aluminium	Sealed Aluminium	Commercial Breaker Box	Sealed Aluminium	Sealed Aluminium	Commercial Breaker Box
Adapter Hanger	Included	Included		Included	Included		Included	Included	
0-250 V Meter for Phase to Phase and Phase to Ground Voltages		Included			Included			Included	
Weight	247 lbs. (112kg)	247 lbs. (112kg)	247 lbs. (112kg)	290 lbs. (132kg)	290 lbs. (132kg)	290 lbs. (132kg)	349 lbs. (158kg)	349 lbs. (158kg)	349 lbs. (158kg)



# UNDERGROUND UTILITY LOCATORS

## XF Series Portable Arc Reflection System

**COMBINATION TDR, THUMPER HIPOT SECTIONALIZER CHOOSE 16KV/8 KV, 25KV/12.5 KV or NEW 28KV/14KV**

Features the fastest automatic tdr technology available in monochrome or color. Just switch on, push the green start button when prompted, and in less than 60 seconds unit displays distance to fault.

**FAST 3 STEP OPERATION**

**HIGHEST JOULE RATINGS IN THE INDUSTRY\***

**WET WEATHER OPERATION**

**LARGE WIDE WHEELS FOR EASE AND STABILITY**



**DUAL THUMP CAPACITORS 1280/1563/1960/3126 J**

**COLD WEATHER OPERATION**

**120 V OR BATTERY OPERATED**

**BUILT IN BATTERY CHARGER**



wThumper Specifications	XF16-1280v.2	XF25-1563v.2	XF28-1960v.4	XF25-3126v.4
Voltage <small>Note: Voltage can be adjusted with knob.</small>	0-8kV; 0-16kV	0-12.5kV; 0-25kV	0-14kV; 0-28kV	0-12.5kV; 0-25kV
Thump Rate	Approx. every 10-15 Seconds			
Energy	1280 Joules @ 8kV and 16kV	1563 Joules @ 12.5kV and 25kV	1960 Joules @ 14kV and 28kV	3126 Joules @ 12.5kV and 25kV
Burner	Optional			150mA
Weather	Operation from -25° F (-31° C) to 110° F (43° C). Unit & Controls sealed for all weather operation.			
Controls	All controls are motorized and operated by toggle switches.			
12V Internal Battery	Standard			
120V AC	Standard			
12V DC External	Standard			
240V AC	Optional			
Dimensions	48" (1.2m) Height, 29.5" (75cm) Wide			
Weight	230 Lbs. (105kg)	250 Lbs. (114kg)	250 Lbs. (114kg)	340 Lbs. (154kg)
Leads	50' (15.25m) Shielded HV Lead terminated in Male MC Connector and a 15' (4.5m) #2 Ground Cable are standard. Cable Reel Systems, EPR-X-ray Cable HV Leads and Custom Lengths are also Available.			
HV Coupler/Filter	An inductive filter is used to minimize distortion and energy loss.			
<b>TDR Specifications</b>	<b>v.2 Monochrome</b>		<b>v.4 Color</b>	
Auto Analyze	Automatically marks end of cable and fault location and gives distance.			
Screen	3.5" (8.9cm) x 4.5" (11.4cm) LCD with 320x240 dot matrix – Backlight Visible in Bright Light		10.5" diagonal (243mm x 185.1mm) color TFT LCD – Backlight Visible in Sun Light	
Environmental	Radar contained within the sealed case of the thumper allowing all weather operation. Operable from -25° F (-31° C) to 110° F (43° C).		Radar contained within the sealed case of the thumper allowing all weather operation. Operable from 20° F (-7° C) to 120° F (49° C).	
Accuracy	0.5% of the range selected			
Memory	Nine Memories available. Software is also available for downloading traces to a Laptop		Fifteen Memories available. Software is also available for downloading traces to a Laptop	
Additional Features	3 phase display, Current Impulse Method (CIM) available as options			



**Other available options by special request:**  
v.4 upgrade on XF16 or XF25

XF16-1526, 1526J @ 8kV & 16kV



## UNDERGROUND UTILITY LOCATORS



### Vivax vLocML Location System

The vLocML is a multi-purpose locator with a factory installed option to locate the various buried “markers” used in our industry. The unit is recognizable by the carbon fiber collar near the base of the antenna tube. Other manufacturers use clumsy fold down antennas, or heavy internal ferrite antennas. The best solution is a permanently mounted lightweight carbon fiber encased antenna.

The vLocML provides the choice of locating one type of marker only, or all markers simultaneously. One can also choose to look only for markers, or locate and search for markers at the same time.

The locator display indicates the marker type it is identified by both an ICON and a number - the response is indicated by a large circular ball.



### Vivax vLocML2 Watt Kit

The vLocML2 is a multi-purpose cable and pipe locator with a factory installed option to locate various buried passive “EMS markers” as used by utilities. The unit is recognizable by the carbon fiber collar near the base of the antenna tube. Other manufacturers use clumsy fold down antennas, or heavy internal ferrite antennas. The best solution is a permanently mounted lightweight carbon fiber encased antenna.

### Vivax vLocPro Location System

The vLocPro is intended for use by field technicians to locate and trace the position of buried utility pipes and cables.

The vLocPro system is a completely new system for pipe and cable location.

Designed by engineers experienced in the field of location and incorporating ideas and feedback from customers, the product addresses many of the shortcomings of locators.

The vLocPro system provides the functionality required by experienced field and the simplicity needed by novices. The system has a classic look with an intuitive user interface designed to minimize training needed when transition from other manufacturers’ equipment. Different and more application specific user interfaces will become available as new features and accessories are introduced.

The vLocPro receiver is the first of a new generation of DSP dual core processor technology products designed and manufactured by Vivax-Metrotech Corporation.





## UNDERGROUND UTILITY LOCATORS

### Vivax vLocPro2 10 Watt Kit

The vLocPro2 is intended for use by field technicians to locate and trace the position of buried utility pipes and cables.

#### vLocPro2 Receiver

vLocPro2 builds on the features of the original vLocPro to enhance productive location:

- Rugged ABS & carbon fiber construction
- IP54 rating for all weather use
- Color display
- High speed processor
- Multiple location modes with compass orientation
- Multiple frequencies (over 70)
- Push button and continuous depth/current (feet or meters)
- Normal & modulated audio modes (separately selectable for Power, Radio & Active modes)
- Signal direction to aid line identification
- Selectable languages (over 20)
- Selectable "time off" function
- Rechargeable and alkaline battery packs
- Optional Bluetooth and GPS
- Optional A-frame and remote antenna



### Vivax vCamModular CCTV Inspection Camera

The vCamModular has been developed with reliability and serviceability in mind. The all weather, modular construction enables fast identification of faults, quick repairs with minimal downtime.

The easily transportable design has been achieved with the help of customers feedback resulting in a system answering the day to day needs of the sewer and duct inspection business.

#### The system is available as two options:

- View only system (Upgradable to recording at a later date)
- View and Recording system. Recording is to the internal 120GB hard drive or via the SD card slot. File transfer from the hard drive is achieved using the USB memory stick interface. Text and voice over are also catered for in the recordable system.

The two systems are complimented with a choice of three reel sizes, two rod diameters and a range of five camera heads. Additional skids ensure that clear pictures can be obtained in pipe diameters ranging from 2in (50mm) to 14in (340mm) and beyond.

## UNDERGROUND UTILITY LOCATOR ACCESSORIES



### A-Frame

The A-frame accessory is used to detect ground faults on pipes and cables. In the case of pipes, the faults consist of coating defects. In the case of cables, faults are usually caused by insulation damage allowing the metallic sheath (or internal conductor) to become in contact with the ground.



### Auxiliary Rechargeable Battery

The Aux Battery 12V DC is a useful addition to the receiver battery packs. To use the Aux Battery, replace the alkaline pack with the Aux Battery pack.

If the receiver has two battery indicators the long horizontal battery icon refers to the charge condition of the Aux Battery. to charge the Aux Battery, remove the pack from the receiver, connect to the receiver battery charger and charge as indicated in the usual way.



### Sonde - D23F-512-AA / D23F-640-AA

A small transmitting coil which may be built into a product such as a sewer camera or packaged as a small self contained battery powered transmitter. A receiver tuned to the same frequency can locate the position and depth of the Sonde and hence whatever it is attached to or in. Frequently used for locating sewer cameras, and the non metallic pipes.

A small transmitting coil which may be built into a product such as a sewer camera or packaged as a small self contained battery powered transmitter. A receiver tuned to the same frequency can locate the position and depth of the Sonde and hence whatever it is attached to or in. Frequently used for locating sewer cameras, and the non metallic pipes.



### Sonde - D18-33-SR44



### Sonde - D38-33-AA



### Sonde - D64-33-LR61

## UNDERGROUND UTILITY LOCATOR ACCESSORIES



### LPC Separation Filter

The LPC Separation Filter (LPC) is used to safely inject trace tone to a live cable via a domestic mains socket, so that the cable can be traced from the premises to the connection in the street. It is suitable for connecting to voltages between 100V AC and 250V AC.



### Loc-10Tx Battery Tray

Loc-10Tx batteries with tray



### Loc-10Tx Power Lead

- to power (NOT charge) the transmitter from a vehicle
- 30ft (10m) long cable



### Receiver Vehicle Charging Lead

The Receiver Vehicle Charging Lead, 12ft (4m) long lead to charge the receiver's battery (or Aux Battery pack) while on the move.



### Remote Antenna

The Remote Antenna can be used to help to identify a particular cable on a cable tray or where cables are bunched together.



### VX4/100 Clamp

- To apply the transmitter signal to a target cable when no access to the conductor is possible
- 4" (100mm) diameter cable



### VX5/125 Clamp

- To apply the transmitter signal to a target cable when no access to the conductor is possible
- 5" (125mm) diameter

## ANCHOR INSTALLING TOOLS

Standard duty tools are used for installing anchors at torques up to 10,000 ft-lbs. "Tough One" series tools install anchors with up to 15,000 ft-lbs of torque. The kelly bar adapters and locking dogs come complete with nuts, bolts and pull pins.



**630012HD**

### \*Tough One Kelly Bar Adapters

PART #	Kelly Bar Size	Kelly Bar Size	Weight
<b>C303-0936</b>	Hex	2-1/2"	23 lbs.
<b>C303-0937</b>	Hex	2-5/8"	23 lbs.
<b>C303-0940</b>	Hex	3"	27 lbs.
<b>C303-0955</b>	Square	2-1/2"	22 lbs.
<b>C303-0958</b>	Square	3"	23 lbs.

### Standard Duty Kelly Bar Adapters

PART #	Kelly Bar Size	Kelly Bar Size	Weight
<b>630013</b>	Hex	2"	10 lbs.
<b>630011HD</b>	Hex	2-1/2"	18 lbs.
<b>630012HD</b>	Hex	2-5/8"	18 lbs.
<b>630014</b>	Square	2-1/4"	13.25 lbs.
<b>630015</b>	Square	2-1/2"	13.25 lbs.

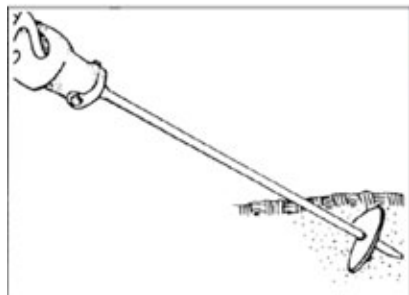
#### **C303-0020 8" Drive Tool**

Standard Duty for installing SS5, SS150 & RR anchors.



#### **C303-1035 8" Drive Tool**

\*Tough One Series for installing SS5, SS150 & RR anchors.



#### **SAT-80 Anchor Tool**

This tool slips over the pilot bit and is used for installing no-wrench screw anchors without removing the auger. Use only on pressure diggers and for installation only. Do not use this tool for the removal of anchors.



#### **C303-0069HD Locking Dog Assembly** Standard Duty



#### **C303-0981 Locking Dog Assembly** \*Tough One Series



#### **C303-0983 7' Drive Tool** Tough One Series for 1-1/2" Anchors



#### **C303-1064 7' Drive Tool** Standard Duty for 1-1/2" Anchors



#### **C102-1583 7' Drive Tool** Standard Duty for 1-3/8" Anchors



# POLE TONGS



## Lifting Tongs

Lifting tongs are proof-tested and certified for overhead lifting and are painted orange.

PART #	At 75° Opening		At 135° Opening		At 180° Opening	
	Opening	Cap. (lbs)	Opening	Cap. (lbs)	Opening	Cap. (lbs)
<b>40008</b>	3-1/2"	1,500	12"	1,000	16"	750
<b>40218</b>	6"	2,500	17"	2,000	20"	1,500
<b>40228</b>	7-1/2"	2,500	20"	2,000	25"	1,500
<b>40458</b>	8-1/2"	3,000	27"	2,500	32"	2,000
<b>40558</b>	12"	5,000	32"	4,000	36"	3,000



## Chain Pole Slings

Made with grade 80 chain and a sliding choker hook, these slings are ideal for handling even the largest of transmission poles.

PART #	Chain Length	Overall Length	WLL
<b>CPS384</b>	4'	5'	7,100 lbs.
<b>CPS385</b>	5'	6'	7,100 lbs.
<b>CPS386</b>	6'	7'	7,100 lbs.



## Heavy-Duty Lifting Tongs

Timbers or poles are held securely by the 1-1/4" triple saw tooth design and cannot slip under load.

PART #	Max Opening	Cap. (lbs)
<b>20</b>	11-1/2"	7,500
<b>30</b>	16-3/4"	10,000



## POLE SETTING TOOLS

Made with hardwood handles and heat treated, high-carbon steel hooks. Different handle & hook combinations are available.



### Peavies

PART #	Handle	Hook #
<b>150109</b>	2-1/2" x 4-1/2'	480
<b>150110</b>	2-1/2" x 5'	480

### Replacement Peavey Handle

<b>150080</b>	2.5" x 4.5'
<b>150081</b>	2.5" x 5'



### 4241 Pole Cradle

Provides an efficient way of lifting poles into position for framing. It measures 18" x 15" x 9 and weighs 23 lbs. It can handle poles with diameters up to 19".



### RC200TA

#### Light Weight Hot Pole Tong

- Fits pole 7" to 16" diameters
- Lighter, easier to use tool.

The change to the aluminum head and smaller handles has dropped the weight more than half to 8 lbs and make the tongs much easier to use with rubber gloves.



## LONG HANDLE DIGGING TOOLS & DIGGING BARS

Wooden handle tools are made of Ash hardwood and carbon steel blades that are forged and heat-treated.



### Straight Shovels, 10" Blade

PART #	Length
2035	10'
1008	Replacement Handle



### DB-110 Digging Bar

1" x 10' Hex Bar with 2" chisel and pointed end.



### 852 Digging Spud & Tamper

1" x 9' steel pipe with 3-1/2" wide blade and oval tamping head.



### Heavy- Shoe Tampers

PART #	Length
1055	8'



### GFPS10

### Garant Post Hole Spoon, Forged, 10ft Handle

Post hole spoon, solid shank and forged steel blade, 10-ft. (3.05 m) ash handle. Also available with an 8-ft. (2.44 m), 9-ft. (2.75 m) or 12-ft. (3.66 m) handle.

### F9510

Garant 10 foot Replacement Handle

## POLE SETTING TOOLS



### The Dirt Skirt 10' x 10' Dirt Sling

The unique design of this tarp captures auger spoils and neatly fills the hole after setting a pole. It reduces time and labor and the risk of injury.



### Twistarp Dirt Sling

Used to hold the dirt removed from an auger to be used when backfilling around a newly installed pole. Also works well as a utility blanket keeping personnel and tools out of weeds, mud and snow or for transporting left over dirt, rock sand or wet cement.

PART #	Size
<b>6X6R</b>	6' x 6'
<b>7X7R</b>	7' x 7'
<b>8X8R</b>	8' x 8'
<b>10X10R</b>	10' x 10'



### Stapul Sticks

Keeps staples ready for use and helps prevent possible punctures to rubber gloves. Easy to use while wearing heavy gloves. Two loaded sticks hold enough staples to install a ground wire on most distribution poles.

**574** 3/4" wide slots  
**574L** 1" wide slots



## TWO-WHEEL STEERABLE DOLLY & ACCESSORIES

### 1025A Two-Wheel Steerable Dolly

- 180 degree steering • Low-pressure turf tires • Only 32" wide
- Supplied with a straight handle for easy movement
- Constructed with high-yield strength steel in excess of 100,000 psi
- Assembled with wheel bearings and bronze steering bushings



**Pole Dolly with Roller Cradle  
Model 1025A**

<b>Height (Overall With Cradle)</b>	27-1/4"
<b>Width</b>	32"
<b>Length (No Handle)</b>	23-1/4"
<b>Steering</b>	180 degrees
<b>Weight (Total)</b>	157 lbs.
<b>Weight (Roller Cradle Only)</b>	41 lbs.
<b>Capacity</b>	2,200 lbs.

### 1125A Roller Cradle Assembly

- Attaches in just seconds
- Provides ready transport for poles up to 2,200 lbs.
- Rollers are manufactured with ultra high molecular polyethylene



**"Load Deck"**

- Attaches in just seconds to the Two-Wheel Steerable Dolly
- Offered with either a second Two-Wheel Steerable Dolly or Fixed-Axle Dolly and "T" Handle
- Provides a system with a carrying capacity of 3,000 pounds
- All components constructed with high-yield strength steel

**PART #**

<b>Height</b>	<b>1030A</b>	<b>1031A</b>
<b>Width</b>	24"	24"
<b>Length (No Handle)</b>	32"	32"
<b>Deck Capacity</b>	97"	93"
<b>Weight (Complete Assembly)</b>	3,000 lbs.	3,000 lbs.
<b>Weight (Load Deck)</b>	365 lbs.	314 lbs.
<b>Weight (Manual Two-Wheel Dolly)</b>	125 lbs.	124 lbs.
<b>Weight (Fixed Axle Dolly)</b>	116 lbs. ea	116 lbs.
<b>Weight ("T" Handle)</b>	N/A	65 lbs.
	8 lbs.	8 lbs.

### Load Deck and Dolly

### 1031A Transformer Dolly

- Designed to maintain vertical positioning of the transformer - preventing leakage
- Equipped with low pressure turf tires, engineered with a standard trailer hub and sealed bearings
- Equipped with a third pilot wheel to allow 360° steering
- The combination of the main wheel and third pilot wheel results in an extremely ergonomic design eliminating excessive arm strain for the user.

<b>Height</b>	44-3/4"
<b>Width</b>	40"
<b>Length</b>	39"
<b>Tire Size</b>	165/65/-8
<b>Capacity</b>	950 lbs.
<b>Transformer Height - Standard Dolly</b>	36" Max
<b>Optional Extension Attachment</b>	44" Max



## POLE TAMPERS

### H4802 Hydraulic Pole Tamper

Makes quick work of setting poles, asphalt patching and general compacting. This model has the on/off valve on the whip hoses. It weighs 23 lbs and is 60" in length. The flow rate is 4-6 gpm with an operating pressure between 1,000 to 2,000 psi and can provide 1,160 BPM at 5 gpm. The kidney shoe is standard.

### H4802-6 Hydraulic Pole Tamper

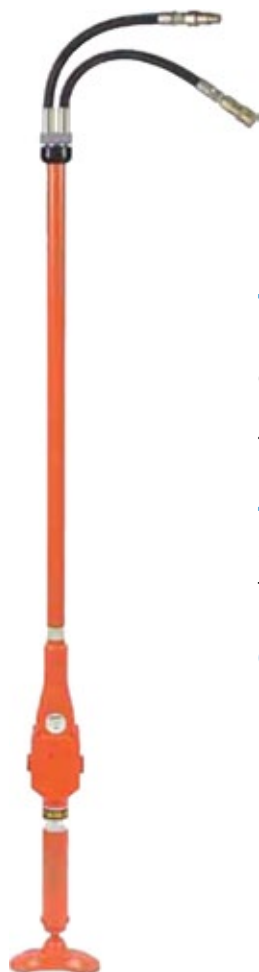
Same as the H4802 but without the on/off valve on the hoses. 60" in length and weighs 27 lbs.

### H4802-3 Hydraulic Pole Tamper

Similar to the above tools but with the on/off valve on the handle. 72" in length and weighs 23 lbs.

H4802

H4802-3



### TA54603 Hydraulic Pole Tamper

Ideal for soil compaction around utility poles. This model does not have an on/off valve. It weighs 39 lbs and is 66" in length. The flow rate is 3-9 gpm and provides 1,600 BPM. The kidney shaped shoe is standard.

### TA54103 Hydraulic Pole Tamper

Same as the TA54603 but with the on/off valve on the handle and an overall length of 71".

### 00840 6" Round Shoe Only

## POLE PULLERS & PUMPS



### H4910A Hydraulic Pole Puller

This puller operates on both Open- and Closed-Center systems with pressures from 300 - 2,800 psi. It's lifting capacity is 56,000 lbs with a 16.8" stroke. Two 5/8" x 6' Proof-Certified chain are included. The cylinder weighs 101 lbs. Combined weight with base & chain is 178 lbs. Required fittings are listed below.

### F011243 Nipple (2)

### F020196K Female Coupler, 1/2" NPTF

### F020197K Male Coupler, 1/2" NPTF



### HA0039 Pole Puller Pad

Engineered with the strength to take the full force of the pole-pulling, and the flexibility not to crack under soft ground conditions. 24" x 29".



4040B



4041B

### Back Plates for Pole Puller

Sold separately  
Optional back plate prevents chain roll-up and slippage.



### 4001D Hydraulic Pole Puller

This unit has a maximum operating pressure of 2,800 psi and a lifting force of 50,120 lbs. The kit comes complete with the cylinder, base plate, back plate, swivel chain hook assembly and 6' of 1/2" chain. Works great on concrete poles.

### Pole Puller Specifications

<b>Hydraulic Cylinder</b>	57 lbs.
<b>Base Plate</b>	25 lbs.
<b>Back Plate</b>	7 lbs.
<b>Swivel Chain Hook Assembly</b>	36 lbs.
<b>Chain - 6 Feet - 1/2 Alloy</b>	15 lbs.
<b>Operating Pressure</b>	2,800 psi Max.
<b>Lift At Maximum Pressure</b>	50,120 lbs.

## TENTS & VENTS



### "A" Style Ground Tent

"A" Model Tents include two screen windows with roll up flaps, three tie down cords through the hub, ground flaps, singlezippered front door, exterior roof line loops for tie-downs, carry case and three tent stakes.

PART #	Size	Weight	Folded Dimensions
6504A	48" x 48"	18 lbs.	6" x 46"
6506A	70" x 70"	20 lbs.	6" x 56"
6508A	94" x 94"	31 lbs.	7" x 66"
6510A	118" x 118"	34 lbs.	8" x 76"
6514A	166" x 166"	162 lbs.	10" x 124"



### "D" Style Ground Tent

"D" Model Tents include two screen windows with roll up flaps, three tie down cords through the hub, ground flaps, heavy-duty frame, wide open front, snap and D-rings with inter-connectable flaps (connect 2 tents together), ventilation hose entry sleeve interior and exterior roof line loops for tie-down, carry case and three tent stakes.

PART #	Size	Weight	Folded Dimensions
6506D	70" x 70"	21 lbs.	6" x 56"
6508D	94" x 94"	32 lbs.	7" x 66"
6510D	118" x 118"	36 lbs.	8" x 81"
6510C	118" x 118"	51 lbs.	8" x 88"
6512D	142" x 142"	94 lbs.	10" x 100"

### 1325D/1400D Vent Fan



These axial steel constructed and powder painted models are our most popular. They are available in either 120 VAC (Part # 1325D) or 12 VDC (Part # 1400D). These units weigh only 19 pounds, and provide from 922 to 1075 CFM of fresh air. A suction adapter is also available (Model 3003P) for those special applications.

PART #	1325D	1400D
Power	Electric - 1/3 HP, 120 VAC, 3 Amps	Electric - 1/4 HP, 12 VDC, 15 Amps
Dimensions	14.5"L x 13"W x 14.5"H	14.5"L x 13"W x 14.5"H
Weight	20 lbs.	20 lbs.
Free Air (Certified)	1075 cfm	922 cfm

### 1325P/1400P Vent Fan



The 1325P 120 VAC, electric blower is constructed of a durable, weather-resistant, high-impact polyethylene plastic. The unit also comes in 12 VDC (Part # 1400P). Weighing only 15 lbs., the units provide as much as 921 CFM.

PART #	1325D	1400D
Power	Electric - 1/3 HP, 120 VAC, 3 Amps	Electric - 1/4 HP, 12 VDC, 15 Amps
Dimensions	18"L x 14"W x 15"H	18"L x 14"W x 15"H
Weight	15 lbs.	15 lbs.
Free Air (Certified)	921 cfm	814 cfm



## VENT



### “AirPac” Series Hose & Canister

The AirPac series is a modeled polyethylene canister and hose combination, which attaches to the 1325P & 1400P ventilators. The AirPac 15 includes a 15 ft. hose. The AirPac 25 includes a 25 ft. hose.

## CABLE PREPARATION

### 1542-2CL Speed Stripper

Easily and quickly removes PE, XLP, EPR and other types of insulation from power cables. It has an O.D. Range of 1/2” to 1-3/4”. This tool is supplied with the wedge blade installed and a spare straight blade.



### 1542-2AS Speed Stripper

Designed to strip insulation like the 1542-2CL but also scores the semi-con outer shield.

### 1562 Wedge Blade

### 1581 Straight Blade



### 1700SS Semi-Con Scorer

This tool is adjustable from 1/2” to 2” and has a set screw to lock the depth.

### 1800SS Semi-Con Scorer

O.D. Range 1-3/4” to 3”

### 1678 Scoring Blade



### WS64UE Cable Stripper

An adjustable cable end stripper that removes the outer jacket on primary power cable.

A “Dual Position” jaw allows for cable diameters from 1/2” to 2-1/2”.

### CB50K Repl. Blade



### BP1A Banana Peel

An adjustable blade semi-con scoring tool with an range of .75” to 1.10”.

### BP2A Banana Peel

O.D. Range 1.25” to 1.75”

### 34230 Repl. Blade

## CABLE PREPARATION



### LPW1525/TK120XN

#### Probe Insertion Tool

Fits all 15kV & 25kV & Elastimold 35kV elbows. The preset torque limiter takes the guesswork out of elbow probe & connector tightening.



### IC1 Chamfer Tool

Creates a 45o bevel on XLPE insulations. used for premolded splices, elbows and terminators. Cable range from .650" to 1.260".



### 2750 Secondary Stripper

An adjustable end stripper used to strip 600V cable without the use of bushings. Cable O.D. is .31" to 1.375".

### 2781 Replacement Blade



### 4 x 4 Plus

#### Cable End Stripper

Used for stripping 600 Volt cable. 4 Interchangeable cutting heads strip cables from # 6 AWG through 500 MCM.

### 36001H

#### 4 x 4 Tool Body

### Square Cut Bushing for Concentric Strand Conductor

Cable Size	60 Mil Insulation		80 Mil Insulation		95 Mil Insulation	
	Max OD	Part #	Max OD	Part #	Max OD	Part #
#6	.315	<b>10-32540</b>	.315	<b>10-32540</b>	.390	<b>10-40075</b>
#4	.365	<b>10-37540</b>				
#2	.440	<b>10-45040</b>	.465	<b>10-47560</b>		
#1	.465	<b>10-47540</b>	.515	<b>10-52560</b>		
1/0	.515	<b>10-52540</b>	.565	<b>10-57560</b>	.590	<b>10-60075</b>
2/0	.565	<b>10-57540</b>	.590	<b>10-60060</b>	.640	<b>10-65075</b>
3/0	.590	<b>10-60040</b>	.640	<b>10-65060</b>	.665	<b>10-67575</b>
4/0	.665	<b>10-67540</b>	.690	<b>10-70060</b>	.740	<b>10-75075</b>
250			.740	10-75060	.765	<b>11-77575</b>
350			.840	<b>11-85060</b>	.890	<b>11-90075</b>
500			.965	11-97560	1.015	<b>11-102575</b>

## CABLE PREPARATION

### Square Cut Bushings for Compressed Strand Conductor

Cable Size	60 Mil Insulation		80 Mil Insulation		95 Mil Insulation	
	Max OD	Part #	Max OD	Part #	Max OD	Part #
#6	.315	<b>10-32540</b>			.390	<b>10-40075</b>
#4	.365	<b>10-37540</b>				
#2	.415	<b>10-42540</b>	.465	<b>10-47560</b>		
#1	.465	<b>10-47540</b>	.515	<b>10-52560</b>		
1/0	.490	<b>10-50040</b>	.540	<b>10-55060</b>	.590	<b>10-60075</b>
2/0	.540	<b>10-55040</b>	.590	<b>10-60060</b>	.615	<b>10-62575</b>
3/0	.590	<b>10-60040</b>	.640	<b>10-65060</b>	.665	<b>10-67575</b>
4/0	.665	<b>10-67540</b>	.690	<b>10-70060</b>	.740	<b>10-75075</b>
250			.740	<b>10-75060</b>	.765	<b>11-77575</b>
350			.840	<b>11-85060</b>	.890	<b>11-90075</b>
500			.965	<b>11-97560</b>	1.015	<b>11-102575</b>



#### 2 x 2 Plus Cable End Stripper

2 Interchangeable cutting heads.

#### 36101H 2 x 2 Tool Body

**CB6667 Square Cut Blade**  
for both the 2x2 and 4x4 bushings.

### Square Cut Bushings for Compacted Strand Conductor

Cable Size	60 Mil Insulation		80 Mil Insulation		95 Mil Insulation	
	Max OD	Part #	Max OD	Part #	Max OD	Part #
#6	.315	<b>10-32540</b>			.390	<b>10-40075</b>
#4	.365	<b>10-37540</b>				
#2	.415	<b>10-42540</b>	.465	<b>10-47560</b>		
#1	.440	<b>10-45040</b>	.490	<b>10-50060</b>		
1/0	.465	<b>10-47560</b>	.515	<b>10-52560</b>	.565	<b>10-57575</b>
2/0	.515	<b>10-52540</b>	.565	<b>10-57560</b>	.590	<b>10-60075</b>
3/0	.565	<b>10-57540</b>	.615	<b>10-62560</b>	.640	<b>10-65075</b>
4/0	.615	<b>10-62540</b>	.665	<b>10-67560</b>	.690	<b>10-70075</b>
250			.715	<b>11-72560</b>	.740	<b>11-75075</b>
350			.790	<b>11-80060</b>	.840	<b>11-85075</b>
500			.915	<b>11-92560</b>	.965	<b>11-97575</b>

**Chamfer Cut Bushings are also available. Contact Linestar.**



## CABLE PREP KITS



### CPK-1 - Cable Prep Kit

Includes:

- CPK-12 Steel Case
- 1542-2CL Strripper with 1646X Scale Gauge
- 1700SS Semi-Con Scorer



### CPK-2 - Cable Prep Kit

Includes:

- CPK-12 Steel Case
- 1542-2CL Strripper with 1646X Scale Gauge
- 1700SS Semi-Con Scorer
- SC-11 Edge Wedge
- SC-13 Roller Grip



### CPK-3 - Cable Prep Kit

Includes:

- CPK-12 Steel Case
- 1542-2AS Combination Strripper with 1646X Scale Gauge
- SC-11 Edge Wedge
- SC-13 Roller Grip



### CPK-4 - Cable Prep Kit

Includes:

- CPK-14 Canvas Bag
- 1542-2CL Strripper with 1646X Scale Gauge
- CT-1 Chamfer Tool
- 1700SS Semi-Con Scorer
- LPW1525/TK120X-N Combination Probe Tool
- SC-11 Edge Wedge
- SC-13 Roller Grip



## BUSHING INSERT/REMOVAL TOOLS



### BIT/E180AH

#### Bushing Insert Tool with Torque Limiter and Operating

The BIT/E180 Series Bushing Insert Tool (same as Elastimold 200AT and Cooper LB 1) provides preset torque for installation and removal of bushing inserts with a 5/16" internal hex socket.

Available in both T-Handle (AT) and OP eye (AH) versions.



### BIT/E180AT

#### Bushing Insert Tool with Torque Limiter and T-Handle

The BIT/E180 Series Bushing Insert Tool provides preset torque for installation and removal of bushing inserts with a 5/16" internal hex socket.

Available in both T-Handle (AT) and OP eye (AH) versions.



### BIT/TK120X-HD

#### Heavy Duty Bushing Insert Tool with Heavy Duty Torque Limiter

The BIT/TK120X-HD is the heavy-duty version of the Bushing Insert Tool for installation and removal of bushing inserts.

The HD model includes a field-adjustable torque limiter and enlarged T-Handle.

The HD is commonly used where high volumes of bushing inserts are to be installed or removed. (Fits all loadbreak bushing inserts)



### BIT/TK120X-N

#### Bushing Insert Tool with TorKey

The BIT/TK120X-N is designed to install and remove Deadbreak Bushing Inserts. (Fits all deadbreak bushing inserts.)



## BUSHING INSERT/REMOVAL TOOLS



### BIT/TK120X-Q Bushing Insert with Tor-Key

(Fits all loadbreak bushing inserts)

The Bushing Insert Tool is designed to provide operating personnel with an effective and reliable means of installation and removal of bushing inserts.



### LRTP-12 600A

#### LRTP Installation Tool for use with your torque wrench

- 1/2" drive for use with your own torque limiter
- Can be used for bushing removal

The LRTP-12 Bushing Insert Tool provides for installation and removal of 600A reducing tap plug bushings with a 5/16" internal hex socket. The LRTP-12 requires a separate torque wrench.



### 46037 Cable Splicer's Kit

- Cable-splicer's knife, electrician's scissors, and 2-pocket leather pouch.
- Cuts cable, telephone wire, and strips insulation.
- Dimensions: 2-1/8" x 7-1/2" (54 mm x 191 mm)



### SC-11 - Semi-Con Edge Wedge with Finger Grip

The SC-11 Semi-Con Edge Wedge is designed for lifting the front edge of the cable semi-con layer after it has been scored. The tool is equipped with an ergonomic rubber finger grip and stainless steel blade. The tool is supplied with a plastic sheath.



### SC-13 Semi-Con Roller Grip

The SC-13 Semi-Con Roller Grip has a broad nose with serrated jaws for maximum grip. The tool is designed to provide controlled rolling of the semi-con layer that has been scored. This method of rolling helps reduce tearing of the semi-con as it is being removed.

## CABLE BENDERS



SLCB-JAW

### SLCB-JAW

#### Cable Bender Attachment

The SLCB-JAW is available for purchase separately but requires an SL tool body for operation.

### SL-CB Streamline Cable Bending Tool

Huskie Tools is pleased to introduce the SL-CB, the first of its kind in the electrical utility industry, is a battery powered cable bender. The SL-CB utilized the pull-pin design, allowing technicians to change jaws from compression, to cutting, to cable bending. The SL-CB is just one of the many ergonomic solutions, provided by Huskie Tools, to help reduce strains and sprains associated with the daily tasks of a powerline technician. The SL-CB has several different settings, so the tool can be used on either secondary or primary conductor in a variety of sizes. Featuring a low profile, the SL-CB can be used in a variety of close-quarter environments; such as underground vaults, meter bases and substation applications and wherever cable bending is required.

NOTE: Contact cable manufacturer for specified cable bending radii and cable bending requirements.

#### Features

- New Pull-Pin Design for Quick Jaw Change
- Bright White, LED Lights for Working in Low Light Conditions
- Audible Bypass when Predetermined Pressure is Achieved
- Tested Up To 75kV
- 5 Year Warranty on Tool, Battery & Charger

## DUCT RODDER INTRODUCTION

DCD offers one of the most comprehensive range of Duct Rodders available anywhere in the world - from the smallest 1/8" diameter Fish Tapes to the rugged 1/2" Duct Rodders.

### The Rod

DCD rods are manufactured from state-of-the-art materials formulated to offer the high performance & durability demanded by our customers. The core of the rod is manufactured by the pultrusion process. This involves impregnating high strength continuous glass fiber filaments with a liquefied resin. The fibers are drawn in to a heated die where the resin matrix is cured, bonding the fibers together and allowing mechanical loads to be transmitted through the matrix and distributed amongst the fibers. The resulting pultruded rod combines both the high stiffness required to push the rod through long distances of ducting, with the flexibility to handle tight bends without damage. This inner core is then coated with a highly durable, scratch resistant polypropylene sheath which protects the core from mechanical damage.

### The Frames

Frames are also a feature of the DCD systems. The four largest sizes incorporate the new EZ-Tip™ feature; a larger footprint for stability; steel brake handles that will last forever; dual rod out-feeding positions and wheels inside the frame width. The two smallest sizes feature frames with the feedout built into the handle. All frames can be laid down on either side. These are just some of the design features that will make every unit more usable and friendly for the end user.

### Rod Selection

Which is the right rod diameter for any given application? The rod selection is usually governed by several factors including:

- The size of ducting it is to be pushed through
- The distance the rod is to be pushed
- The number and tightness of bends in the ducting
- If the ducting is already occupied by cable

When being pushed through the duct, any rod will tend to form "sine waves", hitting the wall of the duct at certain intervals. Each time the rod comes in contact with the wall of the duct, it causes friction. The friction will build and eventually prevent the rod from being pushed any further. Small rod in large duct will make more frequent contact with the ducting; the same rod in smaller duct will make less frequent contact and therefore less friction so it can be pushed further. Large rod in small ducting is a good situation, but reduced flexibility of the rod may cause increased friction in the tighter bends.

The chart below is a rough guide as to rod diameter selection, but the above factors should all be taken into consideration before making the final selection.

Rod Dia.	Threaded Connection	Tensile Strength of Rod	Typical Strength of Glued Connection	Typical Strength of Screwed Connection	Minimum Bend Radius	Typical Max. Duct Dia.	Max. Length of Push or Pull
1/8"	#12 unc	1,125 lb	140 lb	-	2"	1-1/4"	150 ft
3/16"	#12 unc	2,200 lb	350 lb	-	4"	2"	300 ft
1/4"	5/16" unc	4,070 lb	800 lb	1,050 lb	7"	2-1/2"	400 ft
5/16"	5/16" unc	7,700 lb	850 lb	1,100 lb	10"	3"	600 ft
3/8"	3/8" unc	8,580 lb	1,150 lb	1,150 lb	12"	4"	800 ft
7/16"	3/8" unc	11,000 lb	1,750 lb	1,200 lb	16"	8"	1,200 ft
1/2"	3/8" unc	13,000 lb	1,900 lb	1,250 lb	18"	10"	1,000 ft

**Note!** ALL Duct Rodders are custom built to order and are non-returnable except for warranty.

ALL REPLACEMENT RODS will be shipped in a new cage for easy replacement onto the frame. Extreme care must be taken when handling loose fiberglass rod as it stores considerable energy and may cause severe injury.



**British Columbia:**

**Alberta:**

**Saskatchewan/Manitoba:**

phone: 604-594-2701 • fax: 604-594-2751

phone: 403-243-1900 • fax: 403-243-2063

phone: 204-783-9771 • fax: 204-783-8951





## DUCT RODDERS & ACCESSORIES

### REEL ROD 52000 series – 3/16" Diameter

The Reel Rod has a sturdy, powder coated, steel tube frame and features a 16" diameter storage basket. Up to 400 ft. of rod can be stored in this basket. A light adjustable brake prevents the rod from reeling out of the basket under its own tension.

The Reel Rod and the Fish Rod (series 51000) share common screw threads, allowing the use of the same accessories.

The standard Reel Rods include a male rod end and a pulling eye. The deluxe version includes accessories as listed below.

Although the fiberglass rods have very high reliability, improper handling can cause the rod to break. In these instances, repair is simple and can be carried out by any user.



Deluxe 3/16" Rod	Deluxe Defectable	Rod Length	Weight	Replacement Reg. Rod	Deluxe Rod Accessories
<b>52000-150</b>	<b>52200-150</b>	150 ft	8 lb	<b>52100-150</b>	2 Splice Connectors
<b>52000-200</b>	<b>52200-200</b>	200 ft	9 lb	<b>52100-200</b>	1 Flexible Guide Head
<b>52000-250</b>	<b>52200-250</b>	250 ft	10 lb	<b>52100-250</b>	1 Roller Guide
<b>52000-300</b>	<b>52200-300</b>	300 ft	10 lb	<b>52100-300</b>	1 Male Rod End
<b>52000-350</b>	<b>52200-350</b>	350 ft	12 lb	<b>52100-350</b>	1 Glue 3gm
<b>52000-400</b>	<b>52200-400</b>	400 ft	13 lb	<b>52100-400</b>	1 Rod Gripper 1 Clevis End 1 Accessory Pouch

For Standard Rodder units that do not include accessories shown above, add "X" to the part number.

### TUF ROD 52500 series – 1/4" Diameter

This unit is mounted in a convenient frame with carrying handle similar to, but larger than the 3/16" unit and the rod is housed in a 24" diameter storage basket.

The end fittings are the same as those offered with the slightly larger 5/16" rod – all stainless steel and with the unique DCD design allowing the fittings to be attached by either screwing or gluing onto the rod core. Thread sizes for all connections are 5/16" UN C.

Minimum bend radius is 7" and sizes available are from 150 ft up to 500 ft. DCD does not recommend pushing lengths over 500 ft unless in relatively small ducting 2" diameter or smaller.

Standard Rodders come complete with stainless steel swivel rod end, female rod end and a pulling eye, while the deluxe version includes accessories as listed below.

Deluxe 1/4" Rod	Rod Length	Weight	Replacement Reg. Rod	Deluxe Rod Accessories
<b>52500-150</b>	150 ft	12 lb	<b>52600-150</b>	1 Splice Connector
<b>52500-200</b>	200 ft	13 lb	<b>52600-200</b>	1 Flexible Guide Head
<b>52500-250</b>	250 ft	14 lb	<b>52600-250</b>	1 Roller Guide
<b>52500-300</b>	300 ft	15 lb	<b>52600-300</b>	1 Clevis End
<b>52500-350</b>	350 ft	16 lb	<b>52600-350</b>	1 Glue 3gm
<b>52500-400</b>	400 ft	17 lb	<b>52600-400</b>	1 Rod Gripper
<b>52500-500</b>	500 ft	19 lb	<b>52600-500</b>	1 Accessory Pouch

For Standard Rodder units that do not include accessories shown above, add "X" to the part number



Extreme Danger: Never use a Detectable Rodder in a live electrical environment. Electrical shock or death may result if conductive rod touches exposed circuit.

## DUCT RODDERS & ACCESSORIES

### RUF ROD 53500 series – 5/16" Diameter

The 5/16" Ruf Rod is one of the most popular sizes because of its versatility in both small and medium size ducts. It is the smallest of the wheel frames, yet still well under 3 ft. in height or length so easy to store or load onto your truck.

Although DCD only recommends lengths up to 600 ft., the standard cage will hold up to 800 ft. The longer lengths should only be used in smaller ducts (up to 2-1/2" dia) and when there are few bends.

The standard unit includes a female rod end, a swivel rod end and a pulling eye. The deluxe version includes accessories as listed below.

All accessories that attach to the rod can be glued on in the traditional manner or they can be clamped on with set screws or they can be glued and screwed for extra security.

Deluxe 5/16" Rod	Deluxe Defectable	Rod Length	Weight	Replacement Reg. Rod	Deluxe Rod Accessories
<b>53500-200</b>	<b>53700-200</b>	200 ft	32 lb	<b>53600-200</b>	
<b>53500-250</b>	<b>53700-250</b>	250 ft	34 lb	<b>53600-250</b>	
<b>53500-300</b>	<b>53700-300</b>	300 ft	36 lb	<b>53600-300</b>	
<b>53500-350</b>	<b>53700-350</b>	350 ft	38 lb	<b>53600-350</b>	1 Splice Connector
<b>53500-400</b>	<b>53700-400</b>	400 ft	40 lb	<b>53600-400</b>	1 Flexible Guide Head
<b>53500-500</b>	<b>53700-500</b>	500 ft	44 lb	<b>53600-500</b>	1 Roller Guide
<b>53500-600</b>	<b>53700-600</b>	600 ft	48 lb	<b>53600-600</b>	1 Clevis End
<b>53500-700</b>	<b>53700-700</b>	700 ft	52 lb	<b>53600-700</b>	1 Glue 3gm
<b>53500-800</b>	<b>53700-800</b>	800 ft	56 lb	<b>53600-800</b>	1 Rod Gripper
<b>53500-900*</b>	<b>53700-900*</b>	900 ft	60 lb	<b>53600-900</b>	1 Accessory Pouch
<b>53500-1000*</b>	<b>53700-1000*</b>	1000 ft	64 lb	<b>53600-1000</b>	



\* These two sizes are spooled on a 3/8" (54000) frame, see 54000 Specs for frame dimensions. For Standard Rodder units that do not include accessories shown above, add "X" to the part number

### RUF ROD 54000 series – 3/8" Diameter

The 3/8" Ruf Rod features a 34" diameter storage basket which comfortably stores up to 800 ft. of fiberglass rod.

The Standard Ruf Rods include a female rod end, a swivel rod end and a pulling eye. The deluxe version includes accessories as listed below.

All accessories that attach to the rod can be glued on in the traditional manner or can be clamped on with set screws or they can be glued and clamped for extra security.

Deluxe 3/8" Rod	Rod Length	Weight	Replacement Reg. Rod	Deluxe Accessories
<b>54000-200</b>	200 ft	49 lb	<b>54100-200</b>	
<b>54000-300</b>	300 ft	55 lb	<b>54100-300</b>	1 Splice Connector
<b>54000-400</b>	400 ft	61 lb	<b>54100-400</b>	1 Flexible Guide Head
<b>54000-500</b>	500 ft	67 lb	<b>54100-500</b>	1 Roller Guide
<b>54000-600</b>	600 ft	73 lb	<b>54100-600</b>	1 Clevis End
<b>54000-700</b>	700 ft	79 lb	<b>54100-700</b>	1 Glue 3gm
<b>54000-800</b>	800 ft	85 lb	<b>54100-800</b>	1 Rod Gripper
<b>54000-900*</b>	900 ft	91 lb	<b>54100-900</b>	1 Accessory Pouch
<b>54000-1000*</b>	1000 ft	97 lb	<b>54100-1000</b>	



\* These two sizes are spooled on a 7/16" (56000) frame see 56000 Specs for frame dimensions.

For Standard Rodder units that do not include accessories shown above, add "X" to the part number.



**British Columbia:**  
**Alberta:**  
**Saskatchewan/Manitoba:**

phone: 604-594-2701 • fax: 604-594-2751  
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## DUCT RODDERS & ACCESSORIES

### RUF ROD 56000 series – 7/16” Diameter

The 7/16” Ruf Rod features our largest frame with a 40” diameter storage basket which can hold up to 1500 ft of 7/16” fiberglass rod.

The Standard Ruf Rods include a female rod end, a swivel rod end and a pulling eye. The deluxe version includes accessories as listed below.

All accessories that attach to the rod can be glued on in the traditional manner or can be clamped on with set screws or they can be glued and clamped for extra security.



Deluxe 7/16” Rod	Deluxe Defectable	Rod Length	Weight	Replacement Reg. Rod	Deluxe Rod Accessories
<b>56000-400</b>	<b>56200-400</b>	400 ft	84 lb	<b>56100-400</b>	
<b>56000-500</b>	<b>56200-500</b>	500 ft	94 lb	<b>56100-500</b>	
<b>56000-600</b>	<b>56200-600</b>	600 ft	104 lb	<b>56100-600</b>	
<b>56000-700</b>	<b>56200-700</b>	700 ft	114 lb	<b>56100-700</b>	1 Splice Connector
<b>56000-800</b>	<b>56200-800</b>	800 ft	124 lb	<b>56100-800</b>	1 Flexible Guide Head
<b>56000-900</b>	<b>56200-900</b>	900 ft	134 lb	<b>56100-900</b>	1 Roller Guide
<b>56000-1000</b>	<b>56200-1000</b>	1000 ft	144 lb	<b>56100-1000</b>	1 Clevis End
<b>56000-1100</b>	-	1100 ft	154 lb	<b>56100-1100</b>	1 Glue 3gm
<b>56000-1200</b>	-	1200 ft	164 lb	<b>56100-1200</b>	1 Rod Gripper
<b>56000-1300</b>	-	1300 ft	174 lb	<b>56100-1300</b>	1 Accessory Pouch
<b>56000-1400*</b>	-	1400 ft	184 lb	<b>56100-1400</b>	
<b>56000-1500*</b>	-	1500 ft	194 lb	<b>56100-1500</b>	

\* Note that these lengths require the full capacity of the frame and are difficult to re-wind into the cage without due care and attention as to the layering of the rod.

For Standard Rodder units that do not include accessories shown above, add “X” to the part number.

### RUF ROD 56000 series – 1/2” Diameter

The 1/2” Ruf Rod completes the range of DCD Duct Rodders. The storage basket is the same as the for the 7/16” rod at 40” diameter and can store up to 1000 ft of the 1/2” fiberglass rod.

The Standard Ruf Rods include a female rod end, a swivel rod end and a pulling eye. The deluxe version includes accessories as listed below.

All accessories that attach to the rod can be glued on in the traditional manner or can be clamped on with set screws or they can be glued and clamped for extra security.



Deluxe 7/16” Rod	Rod Length	Weight	Replacement Reg. Rod	Deluxe Rod Accessories
<b>56500-400</b>	400 ft	96 lb	<b>56600-400</b>	1 Splice Connector
<b>56500-500</b>	500 ft	109 lb	<b>56600-500</b>	1 Flexible Guide Head
<b>56500-600</b>	600 ft	122 lb	<b>56600-600</b>	1 Roller Guide
<b>56500-700</b>	700 ft	135 lb	<b>56600-700</b>	1 Clevis End
<b>56500-800</b>	800 ft	149 lb	<b>56600-800</b>	1 Glue 3gm
<b>56500-900*</b>	900 ft	162 lb	<b>56600-900</b>	1 Rod Gripper
<b>56500-1000*</b>	1000 ft	175 lb	<b>56600-1000</b>	1 Accessory Pouch

\* Note that these lengths require the full capacity of the frame and are difficult to re-wind into the cage without due care and attention as to the layering of the rod.

For Standard Rodder units that do not include accessories shown above, add “X” to the part number.



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Extreme Danger: Never use a Detectable Rodder in a live electrical environment. Electrical shock or death may result if conductive rod touches exposed circuit.

## DUCT RODDERS & ACCESSORIES

### Detectable Duct Rods

DCD Detectable Duct Rodders are available in 3/16", 5/16" and 7/16" diameter rods. They are available in the same lengths as the regular rodders and are mounted in the same frames. The purpose of the detectable rod is to be able to accurately locate existing ducting underground or to locate the position of a blockage within a duct.

Each DCD detectable duct rod unit is supplied with a terminal box mounted on the frame with male and female banana terminals for external hook up.

It is recommended that a Roller Guide (57150 series) be used in order to better make the connection between the end of the rod and the wall of the ducting. This is necessary in order to complete the circuit back to earth.

Any transmitter can then be hooked up to the terminal box with the second lead from the transmitter going to ground (spike into earth). Once switched on, the signal will be transmitted along the duct rod and a standard locator can then be used to locate the signal source from above ground.

DCD Also offers various stainless steel adapters for attaching a sonde unit to the swivel rod end.

The detectable duct rodders use 22 gauge copper wire.

Caution should be exercised when ordering long lengths because the signal will diminish with distance traveled.

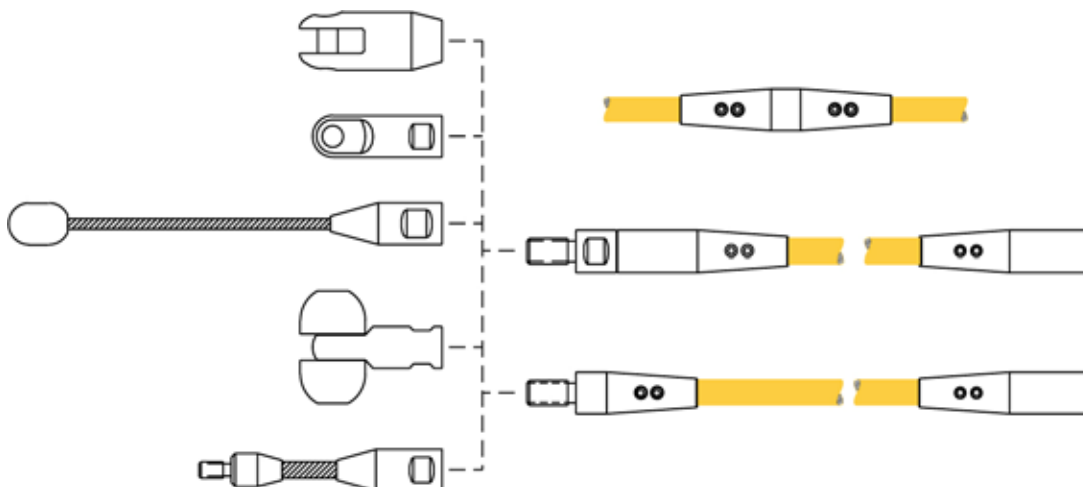


### Duct Rod Accessories

All Duct Rodders are offered in standard or deluxe packages. Separate accessory kits are available with contents listed in the table below.

The larger 5/16", 3/8", 7/16" and 1/2" Rodders are supplied with stainless steel accessories and all components attaching directly to the rod are designed to be glued on in the traditional manner, or can be attached by means of four clamping set screws, or can be both glued and screwed (the accessories supplied on the product at the factory are attached by screws only - they can be glued by the customer if required).

The obvious advantage of the clamping system is that repairs or product changes can be carried out easily in the field with no time delay to allow the glue to dry. Spare set screws and hexagon keys are also supplied.





# DUCT RODDERS ACCESSORY KIT

## Accessory Kits 57000 series

Accessory Kit	57000-000	57000-001	57000-003	57000-005	57000-004	57000-006	57000-007
Part #	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"
Duct Rodder Series	51000	52000	52500	53500	54000	56000	56500
Accessory Items	Part #	Series	Accessory Items Included In Above Kits				
Male Rod End	57135	1	1	-	-	-	-
Splice Connector	57100	2	2	1	1	1	1
Flexible Guide Head	57110	1	1	1	1	1	1
Roller Guide	57150	-	1	1	1	1	1
Clevis End	57160	-	-	1	1	1	1
Glue	57170	1	1	1	1	1	1
Rod Gripper	57170	1	1	1	1	1	1
Accessory Pouch	57170	-	1	1	1	1	1

### SPLICE CONNECTORS

#### 57100 series

These products are used to repair a break in the rod. Having a solid section in the middle of the rod may cause problems with bending at that point and care should be taken when winding rod with a solid connector. The five larger sizes are stainless steel and can be glued or screwed on, the two smaller sizes are brass and must be glued.



Part #	For Rod Dia.	Weight
<b>57100-000</b>	1/8"	0.01 lb
<b>57100-001</b>	3/16"	0.01 lb
<b>57100-003</b>	1/4"	0.09 lb
<b>57100-005</b>	5/16"	0.09 lb
<b>57100-004</b>	3/8"	0.14 lb
<b>57100-006</b>	7/16"	0.14 lb
<b>57100-007</b>	1/2"	0.14 lb



### FLEXIBLE GUIDE HEADS

#### 57110 series

Flexible Guides are used for leading the rod around tight bends. The two larger sizes are stainless steel, the smaller sizes are brass.

Part #	For Rod Dia.	Head Dia.	Overall Length	Threaded Connection	Weight
<b>57110-000</b>	1/8" & 3/16"	5/16"	3-1/2"	#12 unc	0.02 lb
<b>57110-001</b>	1/8" & 3/16"	3/8"	3-1/2"	#12 unc	0.03 lb
<b>57110-002</b>	1/4" & 5/16"	9/16"	6"	5/16" unc	0.11 lb
<b>57110-004</b>	3/8", 7/16" & 1/2"	3/4"	12"	3/8" unc	0.27 lb

### PULLING EYES

#### 57120 series

Pulling Eyes are used for tying wire or pull tape to the end of the rod or used as a leader. They screw directly onto the rod end and are supplied with the rodder.



Part #	For Rod Dia.	Body Dia.	Threaded Connection	Weight
<b>57120-000</b>	1/8" & 3/16"	1/4"	#12 unc	0.01 lb
<b>57120-001</b>	3/16"	3/8"	#12 unc	0.02 lb
<b>57120-002</b>	1/4" & 5/16"	1/2"	5/16" unc	0.05 lb
<b>57120-004</b>	3/8", 7/16" & 1/2"	5/8"	3/8" unc	0.27 lb



## DUCT RODDERS & ACCESSORIES



### ROD ENDS

#### 57130 / 57135 Series

These are used as a means of attaching accessories to the rod. Brass male rod ends are standard on the leading end of the smaller 1/8" and 3/16" rodders which have no fitting on the back end. The larger rodders are all fitted with Female ends on the back end of the rod.

Female Rod End	Male Rod End	For Rod Dia.	Body Dia.	Threaded Connection	Weight
-	<b>57135-000</b>	1/8"	1/4"	#12 unc	0.01 lb
-	<b>57135-001</b>	3/16"	1/4"	#12 unc	0.01 lb
<b>57130-003</b>	<b>57135-003</b>	1/4"	1/2"	5/16" unc	0.07 lb
<b>57130-005</b>	<b>57135-005</b>	5/16"	1/2"	5/16" unc	0.07 lb
<b>57130-004</b>	<b>57135-004</b>	3/8"	5/8"	3/8" unc	0.13 lb
<b>57130-006</b>	<b>57135-006</b>	7/16"	5/8"	3/8" unc	0.13 lb
<b>57130-007</b>	<b>57135-007</b>	1/2"	5/8"	3/8" unc	0.13 lb



### SWIVEL CONNECTORS 57140 Series

The Swivel Connector allows any attachment to the rod to rotate freely. These have bronze bearings and are supplied as standard on all 1/4" and larger rodders.

Part #	For Rod Dia.	Body Dia.	Threaded Connection	Weight
<b>57140-003</b>	1/4"	1/2"	5/16" unc	0.10 lb
<b>57140-005</b>	5/16"	1/2"	5/16" unc	0.10 lb
<b>57140-004</b>	3/8"	5/8"	3/8" unc	0.20 lb
<b>57140-006</b>	7/16"	5/8"	3/8" unc	0.20 lb
<b>57140-007</b>	1/2"	5/8"	3/8" unc	0.20 lb



### ROLLER GUIDES 57150 Series

The Roller Guide is used to push through conduit with cable already in place. The rollers prevent the rod from wedging in under the cable as they rotate on hardened shoulder bolts. The shank attaches directly to the swivel rod end to provide axial rotation.

Part #	For Rod Dia.	Body Dia.	Across Rollers	Threaded Connection	Weight
<b>57150-001</b>	3/16"	3/8"	1-1/16"	#12 unc	0.05 lb
<b>57150-002</b>	1/4 & 5/16"	1/2"	1-3/16"	5/16" unc	0.14 lb
<b>57150-004</b>	3/8", 7/16" & 1/2"	5/8"	1-11/16"	3/8" unc	0.34 lb



### CLEVIS ENDS 57160 Series

The Clevis allows attachment of pulling ropes etc. without the need of extra shackles.

Part #	For Rod Dia.	Body Dia.	Threaded Connection	Weight
<b>57160-002</b>	1/4 & 5/16"	5/8"	5/16" unc	0.08 lb
<b>57160-004</b>	3/8, 7/16" & 1/2"	7/8"	3/8" unc	0.22 lb

# DUCT RODDERS ACCESSORY KIT

## SONDE CONNECTIONS

57131 / 57170 series

Other sizes may be available upon request.



57131-003



57170-002



57170-003

Part #	For Rod Dia.	Body Dia.	Threaded Connection	Type	Weight
57131-003	1/4"	1/2"	M10 X 1.5 Female		0.06 lb
57131-005	5/16"	1/2"	M10 X 1.5 Female	Male	0.06 lb
57131-004	3/8"	5/8"	M10 X 1.5 Female	Rod End	0.12 lb
57131-006	7/16"	5/8"	M10 X 1.5 Female	Connecotor	0.13 lb
57131-007	1/2"	5/8"	M10 X 1.5 Female		0.13 lb
57170-002	1/4" & 5/16"	1/2"	1/4" UNC Male	Rigid	0.04 lb
57170-004	3/8", 7/16", 1/2"	5/8"	1/4" UNC Male	Adapter	0.08 lb
57170-003	1/4" & 5/16"	1/2"	1/4" UNC Male		0.10 lb
57170-005	3/8", 7/16", 1/2"	5/8"	1/4" UNC Male	Flexible	0.13 lb
57170-012	1/4" & 5/16"	1/2"	M10 X 1.5 Female	Adapter	0.10 lb
57170-013	3/8", 7/16", 1/2"	5/8"	M10 X 1.5 Female		0.14 lb

## MISCELLANEOUS



Part #	Description	Weight
57170-006	Rod Gripper - For all rod sizes	0.09 lb
57170-008	Super Adhesive - 3gm Tube	0.01 lb

## DUCT INSTALLATION TOOLS

Part #	Nominal Duct Size	Actual Outside Dia.	Weight
<b>08000-125</b>	1-1/4"	1-1/4"	0.39 lb
<b>08000-150</b>	1-1/2"	1-1/2"	0.41 lb
<b>08000-200</b>	2"	1-7/8"	0.39 lb
<b>08000-250</b>	2-1/2"	2-1/4"	0.67 lb
<b>08000-300</b>	3"	2-3/4"	0.71 lb
<b>08000-350</b>	3-1/2"	3-1/4"	0.75 lb
<b>08000-400</b>	4"	3-5/8"	0.79 lb
<b>08000-500</b>	5"	4-3/8"	0.85 lb
<b>08000-600</b>	6"	5-1/4"	0.92 lb



**Spiral Duct Brush**  
**08000 series**

Flat steel bristles spiralled onto heavy duty wire spindle with a pulling eye on one end only. This product will quickly remove grit or light dirt within the duct before installing your cable.

Part #	Nominal Duct Size	Actual Outside Dia.	Weight
<b>08100-125</b>	1-1/4"	1-1/4"	0.69 lb
<b>08100-150</b>	1-1/2"	1-1/2"	0.74 lb
<b>08100-200</b>	2"	1-7/8"	0.77 lb
<b>08100-250</b>	2-1/2"	2-1/4"	1.21 lb
<b>08100-300</b>	3"	2-3/4"	1.25 lb
<b>08100-350</b>	3-1/2"	3-1/4"	1.39 lb
<b>08100-400</b>	4"	3-5/8"	1.37 lb
<b>08100-500</b>	5"	4-3/8"	1.55 lb
<b>08100-600</b>	6"	5-1/4"	1.82 lb



**Heavy Duty Duct Brush**  
**08100 series**

These heavy duty wire brushes are fitted with a pulling eye on each end so the brush could be pulled back and forth for those extra tough cleaning jobs.

Part #	Nominal Duct Size	Max Disc Dia.	3:1 Safe Working Load	Weight
<b>08400-200</b>	2"	1.69"	4,800 lb	3.53 lb
<b>08400-300</b>	3"	2.65"	4,800 lb	5.56 lb
<b>08400-400</b>	4"	3.57"	4,800 lb	10.2 lb
<b>08400-500</b>	5"	4.56"	4,800 lb	17.2 lb
<b>08400-600</b>	6"	5.51"	4,800 lb	25.9 lb
<b>08400-800</b>	8"	7.26"	4,800 lb	45.5 lb



**Steel Duct Checker**

Steel discs in graduated sizes make this mandrel ideal for removing obstructions in ducts with extreme bends. 7,000 lbs. load capacity. (Part #08021700 is 2,000 lbs. load capacity)



## DUCT INSTALLATION TOOLS

Part #	Nominal Duct Size	Max Disc Dia.	3:1 Safe Working Load	Weight
<b>08500-125</b>	1-1/4"	1.19"	1,400 lb	0.42 lb
<b>08500-150</b>	1-1/2"	1.44"	1,400 lb	0.50 lb
<b>08500-200</b>	2"	1.88"	2,300 lb	0.90 lb
<b>08500-250</b>	2-1/2"	2.19"	2,300 lb	1.04 lb
<b>08500-300</b>	3"	2.81"	2,300 lb	1.46 lb
<b>08500-350</b>	3-1/2"	3.25"	4,800 lb	2.57 lb
<b>08500-400</b>	4"	3.75"	4,800 lb	3.45 lb
<b>08500-500</b>	5"	4.69"	4,800 lb	4.71 lb
<b>08500-680</b>	6" sc hed. 80	5.50"	4,800 lb	6.24 lb
<b>08500-640</b>	6" sc hed. 40	5.81"	4,800 lb	7.16 lb
<b>08500-880</b>	8" sc hed. 80	6.86"	4,800 lb	9.30 lb
<b>08500-840</b>	8" sc hed. 40	7.40"	4,800 lb	11.0 lb



### POLY DUCT CHECKER 08500 Series

Duct Checkers are designed to ensure the duct bore is clear before installing the cable or other utility.

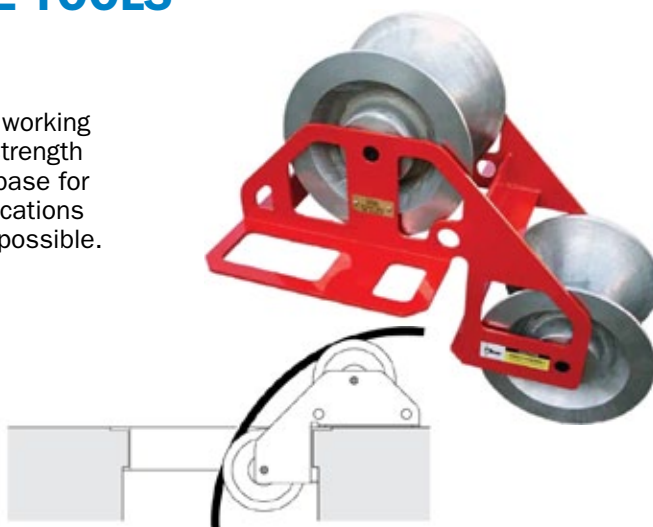
Check the inside diameter of the ducting before selecting the product from the chart.

## MANHOLE TOOLS

### Corner Guides

DCD Corner Guides are designed to withstand a 10,000 lb working line load with a 3:1 safety factor. The sheaves run in high strength iron-bronze bushings. The Corner Guides also have a wide base for stability, a deep lip for hooking into the manhole and two locations for hold down bars and lightening holes added everywhere possible.

Guide Part #	Sheave Only	Sheave Size W x Dia.	Weight
<b>32300-400</b>	32900-411	4" x 11"	58.5 lb
<b>32300-500</b>	32900-511	5" x 11"	63.5 lb
<b>32300-600</b>	32900-611	6" x 11"	70.5 lb
<b>32300-800</b>	32900-811	8" x 11"	88.5 lb



### Quadrants & Hangers

DCD quadrants are designed to withstand up to 10,000 lbs. working line load with a 3:1 safety factor. This means they can be used safely at either the entry end of the installation OR the exit end. The steel side plates along with the high strength bushings on each roller are all designed with strength, safety and weight in mind.

All quadrants have countersunk screws holding the rollers so there are no protrusions from the side plates and the hangers can travel the full arc of the quadrant.



Quadrant c/w Hangers	Quadrant Only	Hanger only	Sheave only	Sheave Size W x Dia.	No. of Sheaves	Min. Cable Radius
<b>32200-304</b>	<b>32210-304</b>	<b>32830-300</b>	<b>32900-307</b>	3" x 7"	4	27-7/8"
<b>32200-404</b>	<b>32210-404</b>	<b>32800-400</b>	<b>32900-407</b>	4" x 7"	4	27-7/8"
<b>32200-504</b>	<b>32210-504</b>	<b>32800-500</b>	<b>32900-507</b>	5" x 7"	4	27-7/8"
<b>32200-603</b>	<b>32210-603</b>	<b>32830-600</b>	<b>32900-611</b>	6" x 11"	3	28-3/4"
<b>32200-803</b>	<b>32210-803</b>	<b>32830-800</b>	<b>32900-811</b>	8" x 11"	3	28-3/8"

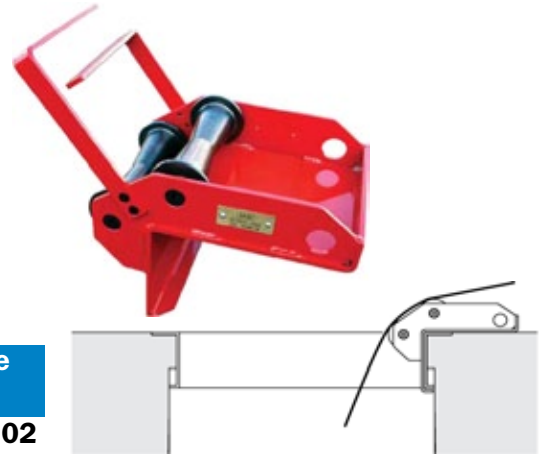
# MANHOLE TOOLS

## Wire Rope Guide

### 32400 Series

DCD Wire Rope Guides are designed to withstand over 10,000 lbs. safe working line load. The hardened rollers run on ball bearings at each end for smooth easy rotation and the rollers have a flange at each end to prevent the rope from riding off either side. The product also has an extra deep lip to hook into the manhole.

Part #	3:1 Safe Working Load	Sheave Width	Sheave Dia.	Weight	Sheave only
<b>32400-200</b>	10,000 lb	7"	2"	28 lb	<b>32900-702</b>



## Sheave Hangers

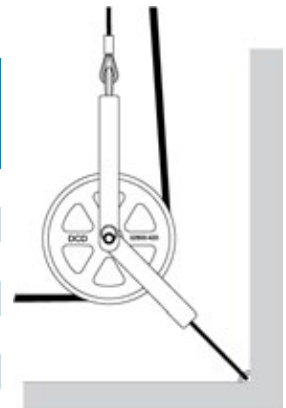
DCD offers single or double hangers to go with their series of cast aluminum sheaves. The single hangers are provided with a safety hook and the double hangers have one hook and one pin through which a rope may be fed or other items attached.

The sheaves are all cast aluminum with machined faces and bores. They are then fitted with high load iron-bronze flanged bushings. All parts are designed to take 10,000 lbs. line load allowing for a 3:1 safety factor.

One feature of the hangers is the ease with which they are assembled to either a sheave or a quadrant. A simple pin with a handle at one end and a locking pin at the other does the job. It should be noted that the handle at one end of the pin may be used to support the hanger in a horizontal position should that be necessary.

The sheaves and hangers may be purchased as assemblies or individually as shown in the table

Sheave c/w Single Hanger	Single Hanger	Sheave c/w Double Hanger	Double Hanger*	Sheave only	Sheave Size W x Dia.
<b>32000-420</b>	<b>32800-400</b>	<b>32100-420</b>	<b>32810-400</b>	<b>32900-420</b>	4" x 20"
<b>32000-526</b>	<b>32800-500</b>	<b>32100-526</b>	<b>32810-500</b>	<b>32900-526</b>	5" x 26"
<b>32000-611</b>	<b>32800-600</b>	<b>32100-611</b>	<b>32810-600</b>	<b>32900-611</b>	6" x 11"
<b>32000-620F</b>	<b>32800-600</b>	<b>32100-620F</b>	<b>32810-600</b>	<b>32900-620F</b>	6" x 20"
<b>32000-626</b>	<b>32800-601</b>	<b>32100-626</b>	<b>32810-601</b>	<b>32900-626</b>	6" x 26"
<b>32000-811</b>	<b>32800-800</b>	<b>32100-811</b>	<b>32810-800</b>	<b>32900-811</b>	8" x 11"
<b>32000-811F</b>	<b>32800-800</b>	<b>32100-811F</b>	<b>32810-800</b>	<b>3290-811F</b>	8" x 11"



# MANHOLE TOOLS

## DUCT ENTRY GUIDE

### 32500 series

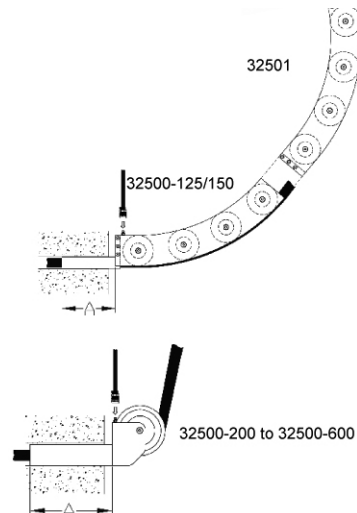
The Duct Entry Guide is unique for two reasons.

First, it has an extra long tube section that goes inside the duct (See dimension A below) for greater stability.

Second, because of the built-in spray nozzle for the DCD TU BE-LU BE® 326 application, there is one half of a quick-disconnect coupling attached to a spray nozzle that will direct the lubricant right onto the cable as it is fed into the ducting. This is a unique feature for a unique lubricant.



Part #	Duct Dia.	3:1 Safe Working Load	A	Weight	Spare Sheave
<b>32500-125*</b>	1-1/4"	3,000 lb	7-1/2"	7.4 lb	<b>32900-202P</b>
<b>32500-150*</b>	1-1/2"	3,000 lb	7-1/2"	7.5 lb	<b>32900-202P</b>
<b>32501-125*</b>	Extension Quadrant	3,000 lb	n/a	5.7 lb	<b>32900-202P</b>
<b>32500-200</b>	2"	3,000 lb	7-1/2"	5.3 lb	<b>32900-303</b>
<b>32500-250</b>	2-1/2"	3,000 lb	7-1/2"	5.7 lb	<b>32900-303</b>
<b>32500-300</b>	3"	6,000 lb	9-1/2"	14.1 lb	<b>32900-307</b>
<b>32500-400</b>	4"	6,000 lb	11-1/2"	19 lb	<b>32900-407</b>
<b>32500-480</b>	4" Sched 80	6,000 lb	11-1/2"	17 lb	<b>32900-407</b>
<b>32500-500</b>	5"	6,000 lb	13-1/2"	24 lb	<b>32900-507</b>
<b>32500-600</b>	6"	6,000 lb	15-1/2"	44 lb	<b>32900-611</b>



## NYLON CABLE PROTECTOR

Flanged, split tube to insert in duct end and protect cable from damage during installation. Also can be left in place for permanent protection.

Part #	Description
<b>08042301</b>	1"-2-1/2" Duct
<b>08042300</b>	3"-6" Duct

## Flexible Cable Guides with Aluminum Adapters

Cable feeds through the the Bell Adapter and exits through the Duct Adapter which fits into the duct.

Part #	Dia.	Length	Part #	Dia.	Length
<b>08931009</b>	2"	9'	<b>08935012</b>	5"	12'
<b>08931012</b>	2"	12'	<b>08936009</b>	6"	9'
<b>08934009</b>	4"	9'	<b>08936012</b>	6"	12'
<b>08934012</b>	4"	12'	<b>08988009</b>	8"	9'
<b>08935009</b>	5"	9'	<b>08988012</b>	8"	12'



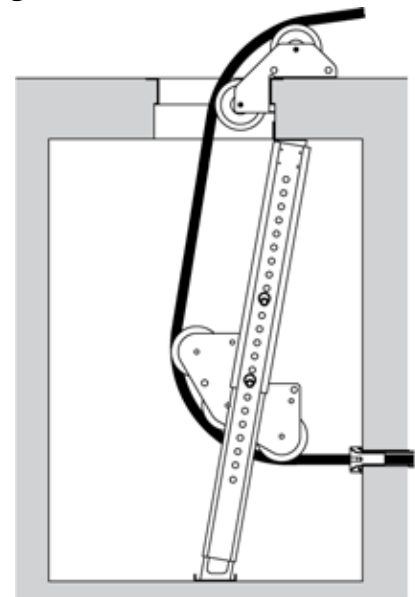
# MANHOLE EQUIPMENT

## MANHOLE BRACE 32700 series

The DCD Manhole Brace may look like other products on the market, but look again. There are several features which make it stand out from other similar products.

1. **Pivoting Head** - In many applications the top of the brace cannot jam against a round manhole, instead it may be jammed against a square cutout in the roof of the manhole vault. The DCD Manhole Brace has a pivotable upper head which allows the brace and sheave to be accurately aligned with the duct bank without the need for temporary shoring/bracing.
2. **Custom Extruded Channels** - The aluminum channels have been custom extruded to an engineered design. Their shape provides the maximum strength-to-weight ratio while also providing a smooth sliding action. The channels have approximately twice the strength as the standard aluminum channels used in similar products, allowing a full 10,000 lb line load to be applied at either entry or exit end of the pull. This load allows in excess of a 2:1 safety factor.
3. **Fixed Angle** - The brace operates at a fixed angle of 10°. There is an acme screwjack assembly to adjust the height of the brace. This same screw can be used to relieve the pressure on the brace when it is being removed.
4. **Lifting Bar** - The lifting bar provided allows the user to easily raise the upper extension into its correct position. This bar can be swung out of the way and stored when not in use.
5. **Locking Pins** - The brace uses separate locking pins for each set of channels. Using two locking pins ensures that they do not interfere with the desired placement of the sheave or quadrant.
6. **Fixed Width** - This fixed width brace is designed to accept quadrants or sheaves up to 8" wide. Since correct alignment to the duct entrance is now possible with the rotating head, even use of only a 4" wide sheave is no problem inside the 8" available width – the sheave will simply float between the side rails always picking up the most favorable alignment.
7. **Construction** – Although the side channels are extruded aluminum, the upper and lower assemblies are made out of steel. While increasing the overall weight by a few pounds, the added strength of steel is necessary in order to match the strength of the extruded side channels. The end result is a brace that can operate equally at either end of the pull and one that will match the safe working loads of all other DCD manhole products at 10,000 lbs. The base section is used in all assemblies and comes complete with 2 locking pins and 1 sheave pin. The short, medium or long extension should be ordered to suit the height range requirement.

Locking pins and sheave pins c/w securing pins may be ordered separately.



Part #	Description	Height Range	Weight
<b>32700-000</b>	Base Section	n/a	64.5 lb
<b>PLUS</b>			
<b>32700-010</b>	Short Extension	5'-8'	54.5 lb
<b>32700-020</b>	Medium Extension	7'-10'	72.5 lb
<b>32700-030</b>	Long Extension	9'-12'	89.0 lb
<b>32700-035</b>	Extra Long Extension	12'-15'	105 lb
<b>SPARE</b>			
<b>32700-040</b>	Locking Pin Kit (1-1/4" long)	n/a	1.0 lb
<b>32700-050</b>	Sheave Pin Kit (11" Long)	n/a	4.0 lb



## RESCUE/RETRIEVAL & COVER LIFTER EQUIPMENT

### LIFEGUARD™ LG5A MANHOLE SAFETY SYSTEM

The LifeGuard™ Manhole Safety System brings a manhole guard, fall protection and retrieval in one unit. Our system has a man-rated\* capacity of 350 lbs, with an overhead proof load of 5000lbs, and meets or exceeds OSHA and ANSI standards. Constructed of structural grade aluminum and steel, the two piece unit can be assembled in just over a minute. Rapidly becoming an industry standard for Manhole retrieval. Use with man rated hoist, SRL, 3-Way or a combination of devices. Hoist not included.

#### General Specifications:

- Man Rated Capacity: 350 lbs. (159Kg)\*
- Overhead Proof Load: 5000 lbs. (2268 Kg)
- Meets OSHA and ANSI safety standards

#### Weight & Dimensions:

- Upper Arm Assembly: 42 lbs.
- Guard Assembly: 33 lbs.
- Dimensions: 42" W x 42" L x 75" H

#### LG5A System Components:

- Upper Arm Assembly
- Guard Assembly
- Leveling Feet (set of 4)
- Rubber Feet (set of 4)
- Hoist bracket & mounting plate for use with Pelsue retrieval hoist.
- Pulley assembly w/auto-lock carabiner.
- Flexible draw latches to anchor the guard assembly (set of 4)

#### Materials:

- Upper Arm Assembly: Structural Grade Aluminum & Steel
- Guard Assembly: Structural Grade Aluminum
- Winch Mount: 5052-H32 Aluminum
- Hardware: Grade 5 Steel



### "E-Z LIFT" COVER LIFTER

The E-Z Lift cover lifter is the tool of choice by Major Telcoms for removing and replacing manhole and pullbox lids.

- Manufactured from solid 6061-T6 lightweight aluminum
- The built in mechanical advantage allows you to remove even the most stubborn cover, while letting the lifter do the work, not your back
- Has a link device that attaches to an "S" Hook which allows you to position the tool so the handle is vertical when lifting.
- Has a urethane covered T-bar for extra traction on asphalt.
- Optional spiked foot is available for improved traction on grass, sand, ice, snow or other loose surface



#### 70159 MANHOLE COVER LIFTER

Weight: 11 lbs.  
(5 kgs)

#### 70158 MANHOLE COVER LIFTER WITH SPIKED FOOT

Weight: 12 lbs.  
(5.4 kgs)



Optional Spiked Foot





**British Columbia:**

Phone: 604-594-2701

Toll Free: 1-866-594-2701

Fax: 604-594-2751

**Alberta:**

Phone: 403-243-1900

Toll Free: 1-877-248-6657

Fax: 403-243-2063

**Saskatchewan/Manitoba:**

Phone: 204-783-9771

Toll Free: 1-877-248-6657

Fax: 204-783-8951

[www.linestar.ca](http://www.linestar.ca)