

## **FOOL &** SAFETY SERVICE DIVISION

**HARRISONBURG, VIRGINIA** (540) 433-7727 • 1-800-796-9027 • www.specialfleet.com



Utility, Safety & Construction **Supply Catalog 3rd Edition** 

## Quality Work & Service: It's Who We Are.



Special Fleet Service began in 1983 as an equipment upfitter but with roots in the utility industry since 1937, we quickly realized the need for supplier and service in the tool and safety industry.

We are the only commercial lineman's protective rubber testing facility in Virginia. Our on-site facility is located in the beautiful Shenandoah Valley, centrally located in the middle of the east coast.

We pride ourselves in high standards of quality control and customer service. While we aim to make information accessible quickly and easily, we excel in personal contact and are available by phone, email or in person meetings-at our office, or yours.

**Storm Service-**No matter what the weather, you never stop working-we don't either. We know our customers are on the frontline's during snow, storms and anything else Mother Nature throws at them. When you're fighting the weather, you need the tools in-hand to complete your mission, Special Fleet takes our responsibility during storm duty very seriously. From tool orders, rubber goods, grounds and jumpers, we prioritize storm orders to get them out the door and into the hard working hands that need them. Available 24/7/365, never hesitate to call SFS at our main office or your trusted sales representative.

Let us show you what special service from Special Fleet is all about.













In addition to our complete line of tools and safety products, we also offer:

- •Dielectric testing of all lineman's protective rubber products to meet or exceed ANSI/ASTM standards
- •Large inventory of rubber goods, quick turn-around to help keep your inventory requirements to a minimum
- •Mobile dielectric testing and annual inspection of bucket trucks and Digger Derricks
- •Complete tool repair and rebuild capabilities of all hydraulic, pneumatic, electric, manual hand tools, hoist and gas drills
- Fiberglass restoration of hot stick and arms
- •Customized repair and testing programs available to meet your price and logistic requirements

Questions, Comments, Orders & Quotes:
Contact us today!

Phone: 540-433-7727 or 800-796-9027

Fax: 540-438-9502

Email: store@specialfleet.com







# Special Fleet Service proudly offers tools and equipment from these quality manufacturers:

3M-Cable Locators

**A.B. Chance**-Utility Construction Tools

**AW Sperr**y-Test Meters

**AEMC**-Test Meters

Aircraft Dynamics-Robo Tools

Bashlin-Lineman & Arborist Tools

Bethea-Stringing Blocks

**Bierer and Associates**-Test

Meters

**Bone**-Traffic Signals

**Brunner & Lay-**Demolition Tools

Buckingham Mfg.-Lineman &

**Arborist Tools** 

Burndy-Hydraulic Tools, Dies &

Accessories

Capital Safety-Fall Protection

Carolina-Work Gloves

**Cembre**-Crimping & Cutting Tools

**Cementex-Insulated Hand Tools** 

Condux-Underground/Overhead

**Utility Tools** 

**Cooper**-Utility Construction Tools

Council Tool-Digging & Brush

Tools

**Current Tools**-Electrician Tools

**DCD**-Cable Installation Products

**Dillon**-Dynamometers

Dixie Tool-Cant Hooks, Load

Binders, Pole Tongs

**Eagle Line Tools**-Utility Tools

Erin-Rope

Estex-Canvas Products

Global Glove-Work Gloves

**GMP**-Utility Tools

**Golight**-Remote Control

Spotlights

**Greenlee**-Battery & Hydraulic

Tools

**H.K. Porter**-Bolt & Cable Cutters **Hastings**-Fiberglass Products

**HD Electric**-Electric Test &

Measurement

Huskie-Battery/Hydraulic

Crimping & Cutting Tools

Irwin-Drill Bits

Jameson-Construction &

Maintenance Tools

**JBC Safety Plastics**-Traffic

Cones, Barricade Bars

Jenny Tools-Utility Tools

**Justin-FR** Clothing

Kinco-Winter Gloves

**Klein-**Hand Tools

**Knopp**-Test Meters

**Leidy Tool Company**-Fiberglass

**Digging Bars** 

Lewis Mfg.-Cable Grips, Dirt

Tarps

**Lincoln Hoist**-Strap Hoists

Little Mule-Grips & Hoists

Lugall-Strap & Cable Hoists

Madi-Lineman Tools

**MYTE**-Winches

OshKosh-Pole Line Construction

Tools

**Parker**-Hydraulic Fittings

Peavey Mfg.-Pole Line

Construction Tools

Pengo-Auger & Backhoe Teeth

**Pelsue**-Manhole Ventilation/Gas

Monitors

Plastic Techniques-

**Bucket/Boom Components** 

**Princeton Tec.-**

Flashlights/Headlamps

Radians-Safety Vests

Rauckman Utility Products-

Insulated Wrenches

Ripley-Cable Prep Tools

Ridgid-Power Tools

**Rubbermaid**-Water Coolers

Salisbury-Lineman's Rubber &

Equipment

Safeway Sling-Nylon Slings &

Straps

**S&C**-Load Busters

Sensor Link-Ampstik, Test

Meters

Servus Rubber-Protective

Footwear

Seymour Mfg.-Fiberglass Hand

Toole

Sherman & Reilly-Utility Tools

Slingco-Swivels, Cable Grips

Speed Systems-Cable Prep

Tools

Stanley-Hydraulic Tools

Streamlight-Flashlights, LiteBox

Stucchi-Hydraulic Fittings

**Tegam**-Electronic Test Equipment

Terex Reedrill-Augers &

Components

Timco Instruments-Electronic

Test Equipment

Tulsa Power Products-Reel

Handlers

**Utility Solutions**-Hot Line Tools

**Utility Tool & Body**-Pole Trailer

Accessories

Wanco-Traffic Control Devices

Warren Heim-Canvas Products

Werner-Ladders

Work Area Protection-Traffic

Safety

Youngstown Gloves-Work

Grounds and jumpers protect your employees, keeping them safe from hazardous, potentially fatal occurrences. That's why choosing the best, is a good choice.





Special Fleet Service will custom build grounds and jumpers to your exact specifications. With a large quantity of parts in stock, we waste no time getting your equipment made and shipped to the field.

Quotes available: store@specialfleettools.com

#### **Custom Choices:**

- Clamp
- Size & Length
- KV Ratings of Cable (for Jumpers)
- Ferrules Determined through Cable & Clamp Selection
- All Ground Sets will have Heat Shrink Applied





#### **On-Site Testing**

You have a job to get done. When you don't have time to ship your grounds and jumper to us, let us come to you. Special Fleet will work with your company to set up on-site testing by a trained technician on your home turf. Call us today to set up the most convenient way to get your equipment checked out and back to work.



**Visual Inspection-** Standards set by ASTM and IEEE recommends looking for these signs you're dealing with a potential hazard:

- Damaged, split or cracked clamps
- Cable damage, especially where the cables flexes next to the ferrules
- Wear on clamp tightening bolt threads
- Flattened/smashed section of the cable

- Wear on the clamp jaws
- Corrosion, typically indicated by swollen cable jackets or soft spots
- Difficult to operate threaded clamping mechanism
- Loose connections between the cable and clamps or the ferrules and clamps
- Broken cable strands near connection points



Toll Free: 800-796-9027 Fax: 540-438-9502

www.specialfleettools.com

#### **Full Service Dielectric Test Lab**

Our testing facility is over 18,000 square feet, fully staffed and ready to serve all of your testing needs. We are proudly NAIL accredited and closely follow all ASTM standards, including their sequence recommendation.







With over 2 million dollars of rubber goods and tooling inventory in a climate controlled warehouse, SFS can help you avoid costly lead times.

## All rubber goods testing includes the following steps:

- Check-In
- Washing of Materials
- Preliminary Inspection
- Electrical Testing
- Drying
- Final Inspection
- Record-Keeping and Marking
- Powdering
- Pairing
- Packing





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#### Fiberglass Restoration & Repair

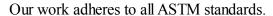
Hard work, is hard on equipment. Fiberglass tools get worn over time. Instead of throwing away these costly tools, or worse yet, using up valuable space storing them; let us repair those tools. Special Fleet will restore your tools to like-new conditions, test your hot sticks and arms and return them to you quickly and efficiently; getting you back to getting the job done, and saving you money while doing it.















Restored!



#### **Tool Repair**

Our tool repair facility is fully equipped with a vast parts inventory to repair a variety of tools, quickly and efficiently. At Special Fleet, we know that down time is costly, our goal is to get the tools you already own back in prime operating condition and back to you. Our facility has over 25 years of tool repair experience so you can feel assured quality work is being done on your tools.

#### **Types of Tools Serviced:**

- Battery Powered Tools
- Hydraulic Tools
- Hot Sticks
- Air Tools
- Chain & Strap Hoists

#### **Railroad Tools Serviced:**

- Geismar
- Matweld
- Racine
- Simplex
- Stanley
- Many others!

#### Why SFS Tool Repair?

- Decades of Experience
- Huge Parts Inventory On-Site
- Quick Turn-Around
- Factory Trained
- Save Money



### **Factory Trained to Repair:**

- Burndy
- Cembre
- Fairmont
- Greenlee
- Huskie
- Little Mule
- Stanley

These are just some of the factory trained courses our technicians have completed!

Same Tools, Better Condition



#### **EK425L Gator Battery Powered Crimper**

- One handed operation
- Crimping jaws open wide to fit easily over connectors
- Jaws can be jogged closed until they just grip the connector, allowing the operator to position the cable in the connector before finishing the crimp
- Crimping tool will complete about 325 crimps per battery charge on 4/0 AWG splices
- When a crimp is fully completed the EK425L signals the operator can simply push a button on the back side of the tool
- Crimping force: 6 tons
- 18V Lithium-ion battery
- Crimping capacity:
  - □ 5/8" Service entrance connectors: 10-1/0 AWG
  - □ .840 Service entrance connectors: 1/0-4/0 AWG
  - ☐ Aluminum H taps: 6-4/0 AWG
  - ☐ Copper H taps: 10-2 AWG
  - □ Copper tension splices: 6-2/0 AWG
  - ☐ All aluminum tension splices: 6-4/0 AWG
  - ☐ 1-Piece ACSR tension splices: 4-1/0 AWG
  - ☐ 2-Piece ACSR tension splices: 2 AWG-477 kcmil
  - ☐ Aluminum jumper splices: 4 AWG-266.8 kcmil
  - ☐ Stirrups: 2-4/0 AWG
  - ☐ Copper color-coded lugs and splices: 8 AWG-500 kcmil
  - ☐ Aluminum color-coded lugs and splices: 8-4/0 AWG
- Weight: 6.8 lbs.

Greenlee #	Description
EK425LDO11	Crimping Tool w/CJD3O Jaws w/120V Battery Charger
EK245LDO12	Crimping Tool w/CJD3O Jaws w/12V Battery Charger
EK425LDBG11	Crimping Tool w/CJD3BG Jaws w/120V Battery Charger
EK425LDBG12	Crimping Tool w/CJD3BG Jaws w/12V Battery Charger
EK425LK12	Crimping Tool w/CJK Jaws w/12V Battery Charger
EK425LK11	Tool with Case



#### Crimping and Cutting Jaws











Greenlee #	Description
CJD3	Crimping Jaw Unit-"W" Dies
CJD3BG	Crimping Jaw Unit-D3 & B3 Die Grooves
CJD3O	Crimping Jaw Unit-D3 & O Die Grooves
CJK	Crimping Jaw Unit-Thomas & Betts 6 Ton Dies
СЈХРЈ	Crimping Jaw with Nicopress X, P & J Die Grooves
СЈВ	Cutting Jaw for One Time Disposable Lock Hasps



#### 6 Ton SL-ND Robo-Crimp with Changeable Head

- Forged jaws for long life
- Brush Protection
- Pull-pin design for quick jaw changes
- Bright white, LED lights for working in low light conditions
- Three compression heads-ND, O and BG
- Rotational head
- Audible bypass when predetermined pressure is achieved
- Connector range:
  - ☐ Lugs and splices: #8-500 MCM Cu, #8-350 MCM A1
  - ☐ H-Taps: Up to 4/0-4/00
- Weight: 8 lbs.
- Optional Heads Include:



SLBG-Jaw



SLND-Jaw

SL-CHCUAL





SLO-Jaw



SLCUT-Jaw

• Brush protection

• Connector Range:

• Weight: 6 lbs.

**EZBG** 

Huskie#	Description
SL-NDO	D3 Nest w/"O" Jaw,
	w/AC Charger
SL-NDO-DC	D3 Nest w/"O" Jaw,
	w/DC Charger
SL-ND-BG	"BG" Jaw, w/AC Charger
SL-ND-BG-DC	"BG" Jaw, w/DC Charger

Huskie#	Description
ECO-EZOL	w/AC Charger
ECO-EZOL-DC	w/DC Charger
ECO-EZBGL	BG Jaw, w/AC Charger
ECO-EZBGL-DC	BG Jaw, w/DC Charger
ECO-EZOX	Tool Only w/case









Optional Heads Include:





• Accepts all W & X type dies

☐ H-Taps-Up to 4/0-4/0







**EZND EZK** 

6-Ton ECO-EZ Robo-Crimp with Changeable Head

• Switch between multiple heads with the pull-pin design • Swivel head design allows the jaws to rotate 180°

• Audible bypass when predetermined pressure is achieved

☐ Lugs and splices-#8-500 MCM Cu, #8-300 MCM Al

6-Ton Streamline Robo-Crimp **Compression Tool** 

- Lightweight, ergonomic design
- One handed operation
- Tested up to 75kV
- Compatible with all Huskie 14.4V Batteries
- Connector Range:
  - □ #8-500 MCM Cu, #8-350 MCM Al

Huskie #	Weight
IL-ND	7.3 lbs.









Cembre #	Description
B54N-YD6	BG Nose Die
B54N-YD6-8	O Nose Die

#### 18.0 V Cordless Hydraulic Crimping Tool

- One handed operation
- Jaws rotate 180° for ease of operation in confined spaces
- Quiet with minimal vibration
- Two batteries, AC charger and vinyl bag included
- Battery equipped with LED indicators that indicate remaining battery life
- 54 kN Force developed
- Capacity:
  - ☐ Copper Lugs & Splices: 300 MCM
  - ☐ Aluminum Lugs & Splices: 4/0
  - ☐ Aluminum H taps: 4/0-4/0
- Weight 6.49 lbs.

#### Patriot PATMD6-LI Battery Powered Crimper

- 6 Ton output force
- Refined hydraulic system, field proven electronics
- One handed operation for advance, retracts, and hold
- Overmolded handle, ergonomically balanced design
- Advance design high-speed pump
- 350° Rotatable head
- Pressure "pop-off" valve indicates completed crimp
- Ram holds position when trigger released
- Capable of using all "W" and "X" style dies
- Crimping capacity: CU, AL, ACSR, Steel, CUWeld, ALWeld, compressed/compact conductors, taps, splices, terminators, terminals
- Weight: 7.8 lbs.



Burndy #	Description
PATMD6-LI	18V, Li-Ion Battery with AC Charger Permanent BG (5/8") and D3 Grooves
PATMD-6LI-DC	18V, Li-Ion Battery with DC Charger Permanent BG (5/8") and D3 Grooves
PATMD6-8LI	18V, Li-Ion Battery, with AC Charger Permanent O and D3 Grooves
PATMD6-8LI-DC	18V, Li-Ion Battery with DC Charger Permanent O and D3 Grooves

Burndy#	Description
PATMDCUTLI	18V, Li-Ion Battery with AC Charger
PATMDCUTLIDC	18V, Li-Ion Battery with DC Charger
PATMDCUTACSRKIT	Replaceable ACSR Blades Only



**BURNDY** 

### Patriot In-Line PATMDCUT Battery Powered Cutter

- One handed operation
- Interchangeable scissor action jaws
- 350° Rotatable jaw assemblies
- Actuated blade guide
- One set of ACSR blades to cut all specified materials
- Includes durable carry bag, two batteries and charger
- Maximum cutting capacity:
  - ☐ CU-500 kcmil
  - ☐ AL-636 kcmil
  - ☐ ACSR-556.5 kcmil
  - ☐ EHS Guy strand/rebar/CUWeld/ALWeld-3/8"
- Weight: 8 lbs.





#### **Standard ROBO Kits Include:**

- Battery powered tool
- Carrying Case
- CH-94 Lithium ion charger
- BP-84 Lithium ion battery (2)
- Carrying strap

• 5-year warranty on tool, battery & charger

#### The Rec-6 Series Features:

• Quicker cutting and compression cycles, blue housing with rubber inlay and ergonomic, lighter weight design

#### 6-Ton Robo-Crimp

- One handed operation
- Rotational head, rapid advance
- Audible bypass when predetermined pressure is achieved
- Brush protection
- Pull-pin design for quick jaw change
- Interchangeable cutter head optional (25CAT)
- Connector Range:
  - ☐ Lugs & splices-#8-500 MCM CU, #8-300 MCM A1
  - ☐ H-Taps-Up to 4/0-4/0

Huskie #	Description	Weight
REC-658U	w/AC Charger, 1.8" Jaw Opening	8 lbs.
REC-658U-DC	w/DC Charger, 1.8" Jaw Opening	8 lbs.







Burndy #	Description
PAT600-LI	18V, Li-Ion Battery with AC Charger
PAT600-LI-DC	18V, Li-Ion Battery with DC Charger

#### Patriot PAT600-LI Battery Powered Crimper

- 6 Ton output force
- Refined hydraulic system, field proven electronics
- Overmolded comfort-grip handle that allows for one-handed operation for advance, retract, and hold
- Advance design high speed pump completes crimp in 3 seconds
- Specialized latch head design
- Crimping capacity:
  - ☐ CU-#8 up to 600 kcmil
  - ☐ AL-#8 350 kcmil
- Weight: 10.9 lbs.

#### 6-Ton Robo-Crimp Compression **Tool with Changeable Head**

- 1-3/8" Jaw opening
- One handed operation
- Rotational head, rapid advance
- Audible bypass when predetermined pressure is achieved
- Forged jaws for longer life
- 10 Jaw types to choose from, not all pictured
- Connector Range:
  - ☐ Lugs & Splices: #8-500 MCM Cu.
  - ☐ H-Taps: Up to 4/0-4/0

Huskie#	Weight
REC-6NDSL	9.8 lbs.









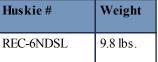




SLO-Jaw

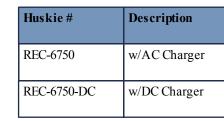
SL-CHCUAL

SL-CHACSR







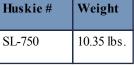




#### 6.2-Ton Streamline Robo-Crimp **Dieless Crimping Tool**

- 1.5" Jaw Opening
- Designed to crimp Anderson connectors & other brand connectors manufactured to ANSI C119.4
- Rotational, flip-top head
- Tested up to 75kV
- Bright white, LED lights for working in low lighting
- Audible bypass when predetermined pressure is achieved
- Connector Range: □ #6 AWG-750 MCM

Huskie #	Weight
SL-750	10.35 lbs.









Greenlee #	Description
EK06ATL12	Crimping Tool, Open Head Dieless, 12V Charger
EK06ATCL11	Crimping Tool, Open Rubber Covered Head Dieless, 120V Charger
EK06FTL11	Crimping Tool, Flip-Top Head Dieless, 120V Charger
EK06FTL12	Crimping Tool, Flip-Top Head Dieless, 12V Charger

#### **EK06 Gator Quad-Point Battery Powered Dieless Crimper**

6.2-Ton Robo-Crimp Dieless Crimping Tool

• Designed to crimp Anderson connectors

& other brands manufactured to ANSI

• Audible bypass, when predetermined

• Ergonomically balanced for one handed

☐ Lugs and Splices-#6 AWG-750 MCM

• Rotational head, rapid advance

pressure is achieved

• Flip-top head design • Connector Range:

operation

• Weight: 12 lbs.

• 1.5" Jaw opening

- Utilizes four indentors to make the crimp
- Flip-top style uses a pull pin to open head for easy removal from the connector
- Crimping force: 12,400 lbs.
- Crimping capacity (EK06ATL):
  - ☐ Copper lugs and copper splices: 6 AWG-500 kcmil
  - ☐ Aluminum lugs and aluminum splices: 6 AWG-400 kcmil
- Crimping capacity (EK06FTL):
  - ☐ Copper lugs and copper splices: 6 AWG-750 kcmil
  - ☐ Aluminum lugs and aluminum splices: 6 AWG-750 kcmil
- Weight: 12 lbs.



#### 6.2-Ton Robo-Crimp Dieless Compression Tool

- .90" Jaw opening
- One handed operation
- Rotational head, rapid advance
- Audible bypass when predetermined pressure is achieved
- Eliminates need for dies
- Tested up to 75kV
- Connector Range:
  - ☐ Lugs & splices: 20 AWG-500 MCM

Huskie #	Weight
REC-6630	11.4 lbs.





#### **Burndy Patriot Battery Tools Include:**

- 5 year limited warranty on tool
- Lifetime power train warranty on Infinity Drive and 1-year warranty on battery and charger
- Typically comes with a high impact formed carrying case, two batteries, charger and tool lanyard



Burndy #	Description
PAT4PC834-LI	18V, Li-Ion Battery with AC Charger
PAT4PC834-L1-DC	18V, Li-Ion Battery with DC Charger

### Patriot PAT4PC834-LI Battery Powered Dieless Crimper, 4-Point

- 6 Ton output force
- Refined hydraulic system, field proven electronics
- C-Shaped head design with 360° head rotation
- Overmolded comfort-grip handle that allows for one-handed operation for advance, retract, and hold
- Crimping capacity:
  - ☐ CU-#8 up to 1,000 kcmil
  - ☐ AL-#8 750 kcmil
- Weight: 13.85 lbs.

#### Patriot PAT81KFT-LI Battery Powered Dieless Crimper, 4-POINT

- 12 Ton output force
- Refined hydraulic system, field proven electronics
- One-handed operation for advance, retract, and hold
- 360° Head rotation for tight areas
- No need to purchase and maintain dies
- Ergonomically balanced design
- Crimping capacity:
  - ☐ CU-#8 1,000 kcmil
  - ☐ AL-#8 750 kcmil
- Weight: 13.2 lbs.

Burndy #	Description
PAT81KFT-LI	18V, Li-Ion Battery with AC Charger
PAT81KFT-LI-DC	18V, Li-Ion Battery with DC Charger









**Powered Crimper** 

Burndy#	Description
PAT46-LI	18V, Li-Ion Battery with AC Charger
PAT46-LI-DC	18V, Li-Ion Battery with DC Charger

#### Patriot PAT46-LI Battery Powered Crimping Tool

- 15 Ton output force, 2" jaw opening
- Redesigned field proven electronics
- Y46 Tool head, capable of using all "P" and "U" style dies
- C-Head crimp design with 355° head rotation
- Versatile tool head positioning for tight areas
- Overmolded ergonomic handle
- Retractable assist handle
- Crimping capacity: ☐ CU-8 AWG-1,500 kcmil ☐ AL-8 AWG-1,250 kcmil
- Weight: 25.5 lbs.

Greenlee #	Description
EK1550FTLU11	Crimping Tool w/120V Charger
EK1550FTLU12	Crimping Tool w/12V Charger
EK1550L11	Crimping Tool w/120V Charger
EK1550L12	Crimping Tool w/12V Charger



18V Cordless Hydraulic Crimping Tool

• With the AU150-C adapter, it will accept all the semi-circular "U" Dies

 Maximum pressure sensor and pressure relief valve assure greater

• OLED display for battery power,

service requirement and crimping force

• 136kN Force developed

being generated

☐ Copper: #8 AWG-1500 MCM ☐ Aluminum: #8 AWG-1250 MCM

• Accepts all "P" dies

• Connector Range

precision

#### • Crimping Force: 30,000 lbs. Includes handle (23492) Crimping capacity: (EK1550FT)

EK1550 Gator 15-Ton Battery

☐ Color-coded copper lugs and splices: 8 AWG-1,500 kcmil

☐ Aluminum lugs and splices; 8 AWG-1,250 kcmil

• Length: 18.5", Weight: 16.3 lbs.

Crimping capacity: (EK1550L) ☐ Color-coded copper lugs and

splices: 8 AWG-1,000 kcmil ☐ Color-coded aluminum lugs and splices; 8 AWG-1,000 kcmil

• Length: 19-5/8", Weight: 19 lbs.

Accepts Kearney PH4/P14 dies without adapter



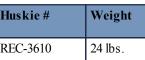
Cembre #	Weight
B1500A	21.34 lbs.

#### 15-Ton Robo-Crimp Compression Tool

- 2" Jaw opening
- Rotational head, rapid advance
- Includes DIE-CASE
- External pressure adjustment
- Audible bypass when predetermined pressure is achieved

Cembre #	Weight
B1500A	21.34 lbs.

Huskie #	Weight
REC-3610	24 lbs.











Greenlee #	Description
EK12IDL11	Dieless Crimping Tool w/115V Battery Charger
EK12IDL12	Dieless Crimping Tool w/12V Battery Charger

#### **EK12IDL Gator Dieless Crimper**

- Dieless indent style crimping head does not require interchangeable crimping dies
- Crimping force: 24,000 lbs.
- Crimping capacity:
  - ☐ Copper color-coded lugs and splices: 4 AWG-1,000 kcmil
  - ☐ Aluminum color-coded lugs and splices: 6 AWG-1,000 kcmil
- Length: 16-1/2"Weight: 15 lbs.

#### Patriot PAT644-LI Battery Powered Dieless Crimper

- 11 Ton output force
- Refined hydraulic system, field proven electronics
- Overmolded comfort-grip handle that allows for one-handed operation for advance, retract, and hold
- No need to purchase and maintain dies
- 355° Head rotation for tight areas
- Crimping capacity:
  - ☐ CU-#6 1,000 kcmil
  - ☐ AL-#6 750 kcmil
- Weight: 16.3 lbs.

Burndy#	Description
PAT644-LI	18V, Li-Ion Battery with AC Charger
PAT644-LI-DC	18V, Li-Ion Battery with DC Charger







Huskie #	Description	Weight
SL-510	Latched Head that fit's "U" Dies	13.55 lbs.
SL-C510	"C" Head with 1.65" Jaw Opening	14.9 lbs.

#### 12-Ton Streamline Robo-Crimp Compression Tool

- One handed operation
- Tested up to 75kV
- Rotational head, rapid advance
- Audible bypass when predetermined pressure is achieved
- Connector Range:
  - ☐ Lugs & Splices-Up to 750 MCM Cu/Al

#### 12-Ton Robo-Crimp

- 1.65" Jaw opening
- Accepts Kearney WH-2, PH-2 and WH-3 style dies (REC-5510KAT, 6510KAT)
- Accepts all "U" type dies (REC-5510AT, 6510AT)
- Rotational head, rapid advance
- Brush protection, ergonomically balanced for one handed operation
- Audible bypass when predetermined pressure is achieved
- Connector Range:
  - ☐ Lugs and Splices: Up to 750 MCM Cu/Al
- Weight: 13.5 lbs (6510)

Huskie #	Description
UDK-1	Kearney "U" style adapter for REC-6510K
REC6510K	w/AC Charger
REC-6510K-DC	w/DC Charger
REC-6510	w/AC Charger







Burndy #	Description
PAT750K-LI	18V, Ni-MH Battery with AC Charger
PAT750K-LI-DC	18V, Ni-MH Battery with DC Charger

Burndy #

PAT750-LI

PAT750-LI-DC

#### Patriot PAT750-LI Battery Powered Crimper

- 12 Ton output force
- Refined hydraulic system, field proven electronics
- One-handed operation for advance, retract, and hold
- 355° Head rotation for tight areas
- Capable of using all "U" style dies
- Ergonomically balanced design
- Crimping capacity:
  - ☐ Tension sleeves-CU #9 500 kcmil, AL #8 587 .2 kcmil, ACSR #4 556.5 kcmil ☐ Taps-CU #14 500 kcmil, AL #8 500 kcmil
- Weight: 15.7 lbs.



Cembre #	Crimping Force
B1350L-CA	14.87 Tons

Description

18V, Li-Ion Battery

18V, Li-Ion Battery

with DC Charger

with AC Charger

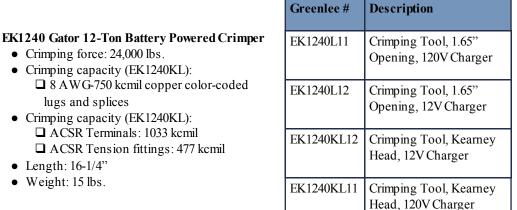
## Patriot PAT750K-18V Battery Powered Crimper

- 12 Ton output force
- One-handed operation for advance, retract, and hold
- Crimp head design with 355° head rotation
- Capable of using Kearney WH1/WH2 dies and all "U" style dies with KUADP adapter
- Ergonomically balanced design
- Smooth, quiet and efficient tool design
- Crimping capacity:
  - ☐ Tension sleeves-up to 477 ACSR
  - ☐ Taps-through 500 kcmil
  - ☐ Terminals-up to 1033 kcmil
- Weight: 18.4 lbs.



#### 18V Cordless Hydraulic Crimping Tool

- 1.65" Opening of head
- Maximum pressure sensor and security valve assure greater precision
- OLED display for battery power, service requirement, crimping force being generated
- Low noise and minimal vibration
- 132 kN force developed
- Weight: 18.04 lbs.







#### ESG25L Battery Powered ACSR Cutter

- Designed to cut distribution ACSR cable
- 18V Lithium-ion battery
- LED light
- Lightweight and easy to control
- One trigger controls all tool functions
- Cutting head rotates 350°
- Tool automatically retracts when the cutting cycle is complete
- Overmolded tack grip
- Capacity:
  - ☐ 1" Maximum diameter
  - ☐ ACSR: 636 kcmil
  - ☐ Standard guy strand: 5/8"
  - ☐ Ground rod: 3/8"
  - ☐ Rebar: 3/8"
  - ☐ Wire rope: 1/2"



• Weight: 4.6 lbs.



Greenlee #	Description
ESG25L11	Cutter w/120V Charger
ESG25L12	Cutter w/12V Charger
ESG25LB	Bare Tool Only w/Case

#### 6-Ton Robo-Crimp Cutting Tool

- Lightweight, ergonomic design
- One handed operation
- Rotational head
- Tested up to 75kV
- Compatible with all Huskie 14.4V Batteries
- Weight: 6.8 lbs.

Huskie #	Cutting Capacities
ECO-336	ACSR-336 MCM Aluminum- 1.2" Copper-500 MCM
ECO-500	ACSR-Do Not Cut Aluminum-Up to 1.5" Copper-Up to 500 MCM



### Patriot Jaw Assemblies and Cover Kits

- Designed for use with PATMD in-line tools
- Options for both cutting and crimping



<b>^</b> :		2
₩	<b>BURNDY</b>	

Burndy#	Description
PATJAWSCUT	Cutter Jaw w/Replaceable Blades
PATJAWSMD6	BG & D3 Grooves
PATJAWSMD66	D3 Groove Only (snub-nose)
PATJAWSMD68	O & D3 Grooves
PATJAWSMD6K	Kearney Groove Only (snub-nose)
PATMD66JC	Cover Kit for MD66 Jaw
PATMD6JC	Cover Kit for MD6 and MD68 Jaw
PATMD6KJC	Cover Kit for MD6K Jaw

#### **Gear-Driven Cable Cutter**

- 2-1/8" Jaw opening
- One handed operation
- Safety lockout switch
- Upgraded motor and gear system with improved ergonomic handle



Huskie#	Cutting Capacities	Weight
REC-54ACM	Aluminum: 1500 MCM	7.2 lbs.
	Copper: 1000 MCM	
REC-54M-DC	ACSR: 1590 MCM	8 lbs.
	Copper: 750 MCM	





Huskie#	Weight
REC-685YC	14.7 lbs.

Description

w/AC Charger

w/DC Charger

w/AC Charger

Huskie#

REC-S640

REC-S624CC

REC-S624CC-DC

### 8-Ton Robo-Cut

- Designed to cut the toughest steel used in construction today
- .95" Jaw opening (S524CC, S624CC)
- 1.6" Jaw opening (S540AT, S640AT)
- Flip-top, rotational latching head, one handed operation
- Overload bypass protection
- Cutting capacities (S524CC, S624CC):
  - ☐ ACSR-477 MCM
  - ☐ Standard guy wire-5/8"
  - ☐ EHS Guy wire-9/16"
  - ☐ Ground Rod-5/8"
  - ☐ Rebar (Sc 40)-5/8"
- Cutting capabilities (S54OAT, S640AT):
  - ACSR-1590 MCM
    - ☐ Ground rod-5.8"
- Weight: 10 lbs.



Huskie#	Weight
REC-634YC	9.9 lbs.

#### 9-Ton Robo-Cut Cutting Tool

- 3.3" Jaw opening
- Open scissor jaw for easy cable insertion
- One handed operation
- Rotational head, rapid advance
- Sidebar handle for stability and balance
- For copper and aluminum only
- Cutting capacities:
  - ☐ Aluminum: 3"
  - ☐ Telecommunication: 3"
  - ☐ Lead Sheath: 2.5"

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S624		
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#### 6.6-Ton Robo-Cut Cutting Tool

- 1.4" Jaw opening
- Open scissor jaw for easy cable insertion
- Rotational head, rapid advance
- Overload bypass protection
- For copper and aluminum only
- Cutting Capacities:
  - ☐ Copper-800 MCM
  - ☐ Aluminum 1.4" O.D.

#### Patriot PATCUT129-LI Battery Powered Cutter

- Latch head design
- Overmolded comfort grip handle that allows for one handed operation for advance, retract, and hold
- 180° Head rotation
- Versatile tool head positioning for tight areas
- Maximum Cutting Capacity:
  - □ CU/AL-1.29"
  - ☐ ACSR-1.113 kcmil
  - ☐ Ground rod/rebar/soft steel bolts-5/8"
  - ☐ Std Guy wire-1/2"
  - ☐ EHS Guy wire-3/8"
- Weight: 10.2 lbs.

Burndy#	Description
PATCUT129-LI	18V, Li-Ion Battery with AC Charger
PATCUT129-LI-DC	18V, Li-Ion Battery with DC Charger







Burndy#	Description
PATCUT2156-LI	18V, Li-Ion Battery with AC Charger
PATCUT2156-LI-DC	18V, Li-Ion Battery with DC Charger

#### Patriot PATCUT2156-LI Battery Powered Cutter

- Latch head design
- 180° Head rotation
- Versatile tool head positioning for tight areas
- Advance design high-speed pump completes tough cuts faster and provides longer life, efficiency and reliability
- Maximum cutting capacity:
  - ☐ CU/AL-2.0"
  - ☐ ACSR-2,156 kcmil
  - ☐ Ground rod-up to 3/4"
  - ☐ Rebar-up to 5/8"
  - ☐ Soft steel bolts-up to 3/4"
  - ☐ Std Guy wire-up to 9/16"
  - ☐ EHS Guy wire-up to 9/16"
- Weight: 15.5 lbs.

#### **Patriot In-Line Battery Powered Pole Cutters**

- Used with interchangeable MD6 Series jaw assemblies
- 350° Rotatable jaw assemblies for operation in virtually any position
- Ram holds position when the trigger is released allowing the operator to check alignment prior to the cut
- Interchangeable scissor action jaws allow to crimp or cut with the same tool
- Large hand grip area allows easier operation with gloves
- Ergonomically balanced tool design helps to lessen the operator fatigue
- Tool assembled with quality EPOXIGLAS poles per ASTM F711
- Actuated blade guide, automatically closes for easy positioning on cable and allows large diameter cable to be cut
- Includes durable high strength carry bag, two batteries and charger
- Maximum cutting capacity:
  - ☐ CU-500 kcmil
  - ☐ AL-636 kcmil
  - ☐ ACSR-556.5 kemil
  - ☐ EHS Guy strand/CUWeld
    - /ALWeld/rebar-3/8" diameter
- Weight:
  - □ 48"-12 lbs.
  - □ 60"-14 lbs.
  - □ 72"-17 lbs.







Burndy#	Description
PATMDCUT48LLI	18V, Li-Ion Battery, 48" w/ AC Charger
PATMDCUT60LLI	18V, Li-Ion Battery, 60" w/ AC Charger
PATMDCUT72LLI	18V, Li-Ion Battery, 72" w/AC Charger

#### Patriot PATCUT245CUAL Battery Powered Cutter

- Ergonomic design, one hand operation
- Advance design high-speed pump, 180° head rotation
- Versatile tool head positioning for tight areas
- Mechanical ram release
- Maximum cutting capacity:
  - ☐ Copper and aluminum cable only-up to 2.45" OD
- Weight: 14.5 lbs.

Burndy #	Description
PATCUT245-LI	18V, Li-Ion Battery with AC Charger
PATCUT245-LI-DC	18V, Li-Ion Battery with DC Charger





Greenlee #	Description
ESG50L11	Cable cutter w/120V Charger
ESG50L12	Cable cutter w/12V Charger
ESG50LB	Bare Tool Only w/Case

#### ESG50L Battery Powered Cable Cutter

- Used for cutting copper and aluminum power cables
- 18V Lithium-ion battery
- Retraction stop allows the operator to stop the ram retraction at any point simply by tapping the trigger
- LED light
- 2-Stage hydraulic system
- Forward handle position
- One trigger controls all tool functions
- Cutting head rotates 350°
- Tools automatically retract when the cutting cycle is complete
- Overmolded tacky grip
- Capacity: 2" diameter aluminum or copper cable
- Length: 15-3/4"
- Weight: 9.8 lbs.

#### 18V Cordless Hydraulic Cutting Tool

- Manufactured from high strength, heat treated steel
- Double speed action
- Rotatable head by 180°
- Fitted with a maximum hydraulic pressure valve
- Low noise and minimal vibration
- Specifically designed to cut copper, aldrey, aluminum, aluminum-steel cables, steel ropes having a max overall diameter of 1", guy wire up to 7/8" and steel ground rod up to 5/8"

Cembre #	Weight
B-TC250YA	10.56 lbs.





- Designed to cut ACSR, guy strand and ground rods
- 18V Lithium-ion battery
- Retraction stop allows the operator to stop the retraction at any point simply by tapping the trigger
- LED light
- 2-Stage hydraulic system
- Forward handle position
- One trigger controls all tool functions
- Cutting head rotates 350°
- Capacity:
  - ☐ ACSR: 1,590 kcmil
  - ☐ EHS Guy strand: 1/2" diameter
  - ☐ Standard guy strand: 5/8" diameter
  - ☐ Ground rod: 5/8" diameter
  - ☐ Rebar: 1/2" diameter
  - ☐ Wire rope: 5/8" diameter
  - ☐ Soft steel bolts: 5/8" diameter
  - ☐ Copper and aluminum cable: 1,500 kcmil
- Length: 16-5/8" Weight: 13 lbs.



Greenlee #	Description
ESG45L11	ACSR Cable Cutter with 120V Charger
ESG45L12	ACSR Cable Cutter with 12V Charger
ESG45LB	Bare Tool Only w/Case

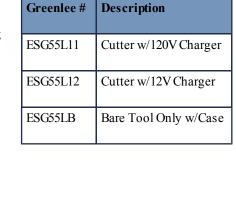


#### ESG55L Battery Powered ACSR Cutter

- Designed to cut the largest ACSR cables, ground rods and guy strands
- 18V Lithium-ion battery
- Retraction stop allows the operator to stop the ram retraction at any point simply by tapping the trigger
- LED light
- 2-Stage hydraulic system
- Forward handle position
- One trigger controls all tool functions
- Cutting head rotates 350°
- Tool automatically retracts when the cutting cycle is complete
- Overmolded tacky grip
- Capacity:
  - □ ACSR: 2515 kcmil
  - ☐ Guy strand: 5/8"
  - ☐ EHS Guy strand: 9/16"
  - ☐ Ground rod: 3/4"
  - ☐ Rebar: 5/8"
  - ☐ Soft steel bolts: 3/4"

• Length: 18"

	_	
•	Weight:	17.5 lbs.







Greenlee #	Description
ES32L11	Cutter with 120V Charger
ES32L12	Cutter with 12V Charger

#### ES32L Battery Powered Cable Cutter

- Small size makes this an excellent tool for use inside panel box
- One trigger controls all tool functions
- Cutting head rotates 350°
- Tool automatically retracts when cutting cycle is complete
- Capacity:
  - ☐ 500 kcmil Cu or Al Cable
- Length: 15-1/2"
- Weight: 5 lbs.

#### ES20L Battery Powered ACSR Cutter

- Designed to cut distribution ACSR cable
- Scissor style blades make it easy to cut short tag ends on tap cables in H-tap connectors
- One trigger controls all tool functions
- Cutting head rotates 350°
- 18V Lithium ion battery
- LED light
- Capacity:
  - ☐ Cutter head opening 3/4"
  - ☐ ACSR 336 kcmil
  - ☐ Guy strand 3/8"
  - ☐ Ground rod 3/8"
  - ☐ Rebar 3/8"
- Length: 15"
- Weight: 4.6 lbs.

Greenlee #	Description
ES20L11	ACSR Cutter with 120V Charger
ES20L12	ACSR Cutter with 12V Charger
ES20LB	Bare Tool Only w/Case







#### "W" Style Dies

Dies for use with service entrance connectors, c-taps, overhead and underground connectors. (Use with EK425L with CJD3, CJD3BG & CJD30 jaws). Use with EK425L with CJK jaws with F020735 adapters.

More popular dies are shown, complete list is available.

#### EK1550L Die Adapters

Greenlee #	Description
48824	Adapter for Kearney PH2/WH2 Dies
48820	Adapter for Burndy "P" Dies (Y46), Ilsco ILD-P Dies
48802	Adapter for Greenlee and Burndy 12-Ton Dies, ILD Dies, T&B and Blackburn 15500 Dies



Greenlee #	Description
930	High Speed Steel Cutter Kit

#### **High Speed Steel Cutter Kit**

- Lasts 10 times longer than standard hole saws
- Precision-ground teeth cuts smooth, burr-free holes
- Capacity: 1/4"
- Durability and speed provide low cost per hole
- Split-point pilot drill prevents "walking"-makes accurate hole placement easy
- Spring-loaded slug ejector
- No tool required to change cutter sizes
- Less chance of broken teeth because the saw body is machined out of solid, high-speed steel
- Includes:
  - □ 7/8" to 2-1/2" cutters
  - ☐ Two small arbors for extended assembly to 7/8" and 1-1/8" cutters
  - ☐ Larger arbor
  - ☐ Hex Wrench
  - ☐ Case
- For conduit sizes 1/2" through 2"

#### "U" Style Die Adapter Set

• "U" Style for Greenlee and Burndy "U" Style, ILSCO ILD, T&B, 15500, and Blackburn



Greenlee #	Description
UA15T	U-Style Die Adapter Set (EK1550FT)







Burndy#	Description
W-BG	W-Die for 6-Ton Tools
W-C	W-Die for 6-Ton Tools
W-K840	W-Die for 6-Ton Tools
W-O	W-Die for 6-Ton Tools

#### **Burndy W-Dies**

- Most popular versions are shown
- A complete selection of W, U and other die options are available



#### Type "U" Die Kit

- CU-Comes complete with 15 "U" die sets for crimping #6 AWG through 750 kcmil copper
- AL-Comes complete with 15 "U" die sets for crimping #6 AWG through 750 kcmil aluminum
- HYGRD-Comes complete with eight die sets for crimping HYGROUND irreversible compression grounding connectors

Burndy#	Description
UDIEKITAL	A luminum Crimping Die Set, with Case
UDIEKITCU	Copper Crimping Die Set, with Case
UDIEKITHYGRD	HYGROUND Crimping Die Set, with Case





Huskie #	Description
HTK1-182H	Kearney Equivalent 1-1/8"
HTK-BKT	Kearney Equivalent BKT Die
HTK-D	Kearney Equivalent D Die
HTK-N-3	Kearney Equivalent N Die
HTK-1-516H	Kearney Equivalent 1-15/16" (Hex)

#### **HTK Series Dies**

• Equivalent to Kearney WH-2 (10.77) and WH-3 (12T) type dies

#### **Die Kits**

- For 6 and 12 ton tools
- Includes almost all aluminum and copper dies needed

Greenlee #	Description
KD12AL	For 12-Ton Tools, 6 AWG to 750 kcmil Aluminum Connectors
KD06AL	For 6-Ton Tools, 8 AWG to 350 kcmil Aluminum Connectors
KD12CU	For 12-Ton Tools, 6 AWG to 750 kcmil Copper Connectors
K22S1GL	For 6-Ton Tools, 8 AWG to 600 kcmil Copper Connectors







Huskie#	Description
CH-94	AC Charger Kit
CH-94DC	DC Charger Kit

#### **CH-94 Battery Charger**

- 110V AC Power Cord
- Designed for Huskie Lithium Ion batteries only
- Redesigned contact terminals for stronger engagement with battery
- UL/CUL Agency Approvals
- Monitors battery temperature and battery voltage for correct charging
- One hour charge time



#### **BP-84 Battery Pack, Lithium Ion**

- Lightweight, high capacity 4.0Ah Battery Pack
- 50% longer run times as compared to NiCad
- No memory effect
- Impact resistant housing
- Performance is minimally affected by extreme temperatures
- Minimal self-discharge
- Non-hazardous chemistry and environmentally safe
- BP-84 can be charged with any Huskie Lithium Ion chargers (including CH-80, CH-90 & CH-94)

Huskie #	Description
BP-84	4.0Ah Battery Pack









Greenlee #	Description
RAM3GL	9.6V, 3.0Ah Battery

#### **Battery**

- High capacity NIMH battery
- For old style EK425 tools

#### **18V LXT Lithium-Ion Battery**

- 30-minute charge time when used with Makita's rapid optimum charger
- Battery resists self-discharge and remains ready for use even after long periods of storage
- Compatible with certain Greenlee and Burndy power tools
- Memorizes the usage history for efficient recharges

Makita #	Description
BL1830	18V Lithium-ion, 3Ah





Makita#	Description
DC18RC	18V Rapid Battery Charger, 110V AC
DC18SE	18V Battery Charger, 12V DC

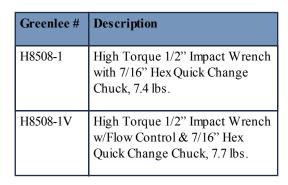
#### **Li-Ion Battery Charger**

- Optimal charging method is achieved using three Active Controls (thermal, voltage, and current) to maximize the effectiveness of the charge and extend the battery's life
- Recognizes battery's history and analyzes battery condition to determine optimal charging method
- Advanced CUP communicates with individuals battery's memory chip
- Built-in fan to cool the battery during charging to maximize the life of the battery



#### H8508 1/2" Impact Wrench

- Twin-hammer impact mechanism provides high performance and reliability
- Button to switch between forward and reverse rotation
- 1-Piece handle and impact housing casting provide long life
- Super Spool permits quick switches between open center and closed center hydraulic systems
- Heat-insulated handle, ergonomically positioned for comfort
- Well balanced for comfortable operation
- Includes the 49314 heavy-duty 1/2" square drive adapter
- Operating pressure: 1,000-2,000 psiMaximum torque: 400'-lb @ 8 gpm
- Capacity: 7/16" hex
- Length: 8.2"







Burndy #	Description
HIW716MAG	MAG Hydraulic Impact Wrench, Variable Torque

#### HIW716 MAG Low Pressure Hydraulic Impact Wrench

- Aircraft grade extruded aluminum body and forged handle
- Frictionless gerotor motor
- Injection molded replaceable comfort grips
- Glove-sized handle and activation trigger
- Reduced handle-to-trigger distance
- Reverse flow and hook-up prevention
- Dual spool selector for open and closed center use
- Over 550 ft-lbs. of torque
- Optimal pressure: 1,000-2,250 psi
- Weight: 7.6 lbs.

## 7/16" Quick Connect Hydraulic Impact Wrench

- Reverse-flow check valve prevents operation if the tools is plumbed backwards
- Built in selector for open center or closed center systems
- 500 ft/lbs. torque
- Large trigger
- Weight: 7 lbs.

Stanley#	Description
ID07810	High Impact Wrench







Burndy #	Description
HIW 716ENF	Enforcer Hydraulic Impact Wrench, Variable Torque

#### HIW716 Enforcer Hydraulic Impact Wrench

- 7/16" Tri-ball quick chuck
- Dual torque selector spool
- CNC Machined billet aluminum
- Dual spool open/closed operation
- Optimal pressure: 750-2,000 psi
- 515 ft/lbs. Torque
- Weight: 5.95 lbs.



#### HW1 1/2" Hydraulic Impact Wrench

- Impact and temperature resistant replaceable polymer grip designed to dissipate heat from the cast handle
- Improved center-of-gravity for superior ergonomics
- Increased service life with the addition of back-up rings and larger O-rings
- Built-in hydraulic check valve
- Large and strong lifting eye for easy and secure storage
- Longer and wider trigger
- Fast and easy change between open center systems and closed center systems with no disassembly required
- Higher breaking torque in reverse to ensure you can remove tightened bolts
- Cast motor enclosure that better protects the impact mechanism operation versus competing models with stamped steel enclosure
- Includes the 49314 heavy-duty 1/2" square drive adapter
- Operating pressure: 1,000-2,500 psi

• Capacity: 7/16" hex

Length: 8.2"Weight: 6.5 lbs.

• Maximum torque: 500'-lb @ 8 gpm



GREENLEE

Greenlee #	Description
HW3	High Torque 3/4" Impact Wrench



- High torque 3/4" impact wrench with 3/4" square drive with auxiliary handle
- Forward positioned handle for improved balance and reduced fatigue
- Impact and heat-resistant Cool Grip handle+ dissipates heat
- Large onboard lifting eye for easy and secure storage
- Industry-leading weight to torque ratio
- Quickly change between forward and reverse motions with direct control selector
- Adjustable torque setting with variable flow knob
- Operating pressure: 1,000-2,500 psi
- Capacity: 3/4" square
- System: super spool selector control
- Length: 9.3"
- Weight: 10.5 lbs.





Greenlee #	Description
HW1	High Torque 1/2" Impact Wrench with 7/16" Hex Quick Change Chuck
HW1V	High Torque 1/2" Impact Wrench with Torque Adjustment & 7/16" Hex Quick Change Chuck

#### **Nail Eater Extreme 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" Hex shank to fit impact drivers
- Available in 18" overall length



Greenlee #	Size	Hole Diameter	Hardware Diameter
37868	9/16"	5/8"	1/2"
37869	11/16"	3/4"	5/8"
37870	13/16"	7/8"	3/4"
37871	15/16"	1"	7/8"



#### 12-Ton Low Pressure Crimper

- No high pressure intensifier required
- Relief valve signals operator when crimp is complete
- Compatible with dies for:
  - ☐ Burndy Y35
  - ☐ Alcoa 12A, 12AC, 12HA, 12HAC
  - ☐ Anderson HC-12, HC-12H
  - ☐ Thomas & Betts 12-ton (LPK1230)
- Accepts standard "U" style dies (LPK1230)
- Crimps up to 750 MCM copper and aluminum (LPK1240)
- Head rotates for easy tool positioning
- Powered in both the advance and retract directions to prevent hang-ups
- Relief valve assures 12 ton crimp with 1,500-2,500 psi system
- Crimping force: 24,000 @ 1,500 psi
- 3/4-16 SAE O-ring
- Open and closed center hydraulic system



LHPY750XT Low Pressure Hydraulic Compression Tool

• Operating pressure: 1,500-2,500 psi (103-172 BAR)

• Covers a wide range of applications with 1.65" jaw opening

• Operates on open center or closed center hydraulic systems

• 350° Head rotation for versatile tool head positioning in tight areas

Greenlee #	Length
LPK1240K	20.3"

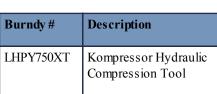
Greenlee #	Length	Weight	Jaw Opening
LPK1230	19.3"	18.5 lbs.	1.20"
LPK1240	20.3"	19.7 lbs.	1.65"





#### LPK1240K12-Ton Kearney Low Pressure Crimper

- No high pressure intensifier required
- Relief valve signals operator when crimp is complete
- Compatible with dies for Kearney PH-2 and PH-3 tools
- Head rotates for easy tool positioning
- Powered in both the advance and retract directions to prevent hang ups
- Relief valve assures 12 ton crimp with 1,500-2,500 psi system
- Crimping force: 24,000 lbs. @ 1,500 psi
- Open and closed center hydraulic system
- Weight: 19.5 lbs.





#### • Double acting tool for hydraulic ramadvance and retraction

• Weight: 21 lbs.

• 12-Ton output force

• Uses all standard BURNDY "U" dies

Greenlee # Length

LPK1550 23.8"



#### LPK1550 15-Ton Universal Low Pressure Crimper

- No high pressure intensifier required and crimps cable 500 MCM and larger
- Relief valve signals operator when crimp is complete
- Compatible with dies for:
  - ☐ Kearney PH2 and PH4/PH14
  - ☐ Burndy Y35 and Y46
  - ☐ Penn-Union TPU-15PH
  - ☐ Thomas & Betts TBM 15 PF
- Operating pressure: 1,500-2,500 psi
- Crimping force: 30,000 lbs. @ 1,500 psi
- Open and closed center hydraulic system
- Weight: 28.6 lbs.



#### LPK1550FT 15-Ton Flip-Top Crimper, Low Pressure

- Accepts P-style die to crimp splices and lugs up to 1500 kcmil copper and 1250 kcmil aluminum
- Accepts Greenlee KC12, KA12 and KD12 crimping dies as well as industry U-style dies with options UA15T adapters
- Lightweight flip-top head with patented quick release locking pin
- 2" Jaw opening
- Crimping head rotates 350°
- Crimping force: 30,000 lbs.
- Crimping capacity:
  - ☐ Color-coded copper lugs and splices: 8AWG-1500 kcmil
  - ☐ Aluminum logos and splices: 8 AWG-1250 kcmil

GREENLEE

• Open and closed center hydraulic system



Greenlee #	Length	Weight
LPK1550FT	23.5"	25 lbs.
UA15T	Adapter for Greenlee and Burndy "U" Style Dies, Ilsco ILD Dies, T&B and Blackburn 15500 Dies	



#### LP6 6-Ton Hydraulic Crimper

- Interchangeable crimping and cutting jaws
- Spring-loaded quick-release pin
- 350° Rotating head
- Maximum inlet pressure: 2,500 psi
- Operating pressure: 1,500-2,500 psi
- Pressure and return ports: 3/4-16 SAE O-ring
- Weight: 8.4 lbs.

Greenlee #	Description
LP6-01	Bare, No Coupler, Open Center
LP6-02	Bare, No Coupler, Closed Center
LP6-05	CJD3BG Jaw, No Coupler, Open Center
LP6-06	CDJ3BG Jaw, No Coupler, Closed Center
LP6-09	CJD3O Jaw, No Coupler, Open Center
LP6-10	CJD3O Jaw, No Coupler, Closed Center
LP6-13	CJD3 Jaw, No Coupler, Open Center
LP6-14	CJD3 Jaw, No Coupler, Closed Center
LP6-17	CJK Jaw, No Coupler, Open Center
LP6-18	CJK Jaw, No Coupler, Closed Center



Burndy#	Description
RHCC10A	Remote Powered Hydraulic Cable Cutter

#### **RHCC10 Remote Power Cable Cutter**

- Reinforced C-head design for field and OEM applications
- Interchangeable precision cutting blades for copper, aluminum, ACSR, EHS guy strand, ground rod and rebar
- Steel cylinder
- 10,000 psi, 13.2 lbs.
- Maximum cutting capacity
  - ☐ Cu/Al Cable-up to 1.5" (HCCCUAL blades)
  - ☐ ACSR/ACSS-up to 1,590 kcmil (ACSR/ACSS blades)
  - ☐ Ground Rod-up to 5/8" (HCCSOL blades)
  - ☐ Rebar-up to 1/2" (HCCSOL blades)
  - □ Soft steel bolts-up to 5/8"
  - ☐ Std & EHS Guy-9/16" (GUY blades)



#### **60-Ton Compression Head**

- Ram Stroke: 1.5" Travel
- Designed for ACSR & ACAR Transmission and Distribution Cable
- Ultra light titanium model available
- Extremely portable

Huskie#	Order Data	Oil Volume
EP-60WB	Steel, Single Acting Compression Head	312 cc
EP-60DT	Titanium Model	312 cc
EP-60D	Steel, Double Acting Compression Head	303 сс
EP-60DT	Titanium Model	303 cc







Huskie #	Weight
EP-100WD	78 lbs.





#### RHU600 Hydraulic Presshead Crimper

- Hydraulic presshead complete with quick automatic coupler for connection to a hydraulic pump with a working pressure of 10,000 psi max
- Weight: 49.28 lbs.



Description

60-Ton Crimping

Tool, Single Acting



#### 100-Ton Compression Head, Double-Acting

- 1.16" Ram stroke
- Designed for full tension transmission and substation connections
- Double acting hydraulic cylinder for quicker return times
- Removable die caps for easy cable insertion
- Oil required: 25 cu/in

Cembre #	Description
RHU600	600 kN Force Developed

#### **RK6040 Single Acting 60-Ton Crimper**

- Ideal tool for use in substation and transmission construction
- Accepts Burndy L dies and Alcoa 6000 series crimping dies
- After completing a connection, the top of the head easily swivels 90° and can be lifted from the tool to remove the connector
- Removing the tool from the stand exposes a lifting eye for when the tool must be used above ground level
- Requires 10,000 psi single-acting hydraulic power source
- Includes steel carrying case with storage space for dies
- Crimping force: 120,000 lbs @ 10,000 psi
- Capacity:
  - ☐ Copper stranded code cable: 300-2000 kcmil
  - ☐ Aluminum stranded code cable: 250-2000 kcmil
  - ☐ Copper tension sleeves: 1/0 AWG-1000 kcmil
  - ☐ Aluminum tension sleeves: 1/0 AWG-2300 kcmil
  - ☐ ACSR Tension Sleeves: 1/0 AWG-2156 kcmil
  - ☐ Copper aerial connectors: 4/0 AWG-2500 kcmil
  - ☐ Aluminum aerial connectors: 3/0 AWG-2500 kcmil
- Equipped with 3/8" screw type hydraulic couplers
- Weight: 45 lbs.



#### RHU1000 Hydraulic Presshead

- 123 Ton hydraulic presshead for full tension, transmission and substation connections, complete with quick automatic coupler for connection to hydraulic pumps with a working pressure of 10,000 psi max
- Will accept all semi-circular slotted dies common to most 100 ton heads
- Die cap is removable for an easy connector positioning; the upper part of the cap automatically rotates during the die changing process to present the correct positioning of the die
- Lifting eye included
- Weight: 111.32 lbs.

Cembre #	Description
RHU1000	1100 kN Force Developed



#### 12-Ton Remote Compression C-Head

- 1.65" Jaw opening
- Protective rubber boot on "C" Head
- Accepts all "U" type dies
- Connector Range:
  - ☐ Lugs & Splices: Up to 750

Huskie #	Weight
EP-510HC	11 lbs.



#### 12-Ton Remote Compression C-Head

- 1.5" Jaw opening
- Protective rubber boot on "C" head
- Accepts PH-2, WH-2 and WH-3 style dies
- Connector Range
  - ☐ Lugs & Splices: Up to 1033 MCM Stranded, 477 ACSR

Huskie #	Weight
EP-510HK	13.5 lbs.



#### 15-Ton Remote Compression C-Head

- 2" Jaw opening (1.5" with "U" Die Adapter)
- Protective rubber boot on "C" head
- 3/8" male screw type coupler provided
- Connector Range:
  - ☐ Aluminum: #8 AWG-1250 MCM
  - ☐ Copper: #8 AWG-1500 MCM

Huskie #	Weight
EP-610H	14.5 lbs.





Burndy#	Description
Y46	Remote Head Hydraulic Tool
P15K	Cutter Die

#### Y46 HYPRESS Remote Operated Hydraulic Tool

- 15-Ton output force
- Works on commonly used copper and aluminum products
- Compact C-shaped head with 2" jaw opening
- Forged steel construction
- Positive push button die lock buttons
- UL Listed and CSA certified compression terminal, splice and tap connectors when tool is used to install
- Operating pressure: 10,000 psi
- Requires "P" Series dies
- Weight: 16 lbs.



#### Long Reach Chains aws

- Cuts hard-to-reach branches from aerial basket or from the ground
- Super spool selector control for use on open and closed center hydraulic systems
- Insulated fiberglass extension tubes, tested to meet OSHA regulation 1910.269
- Safety features include two-step trigger, trigger guard and fully covered sprocket guard
- Anti-kickback chain and automatic chain oiler
- Rugged high torque gear motor
- Unfilled and foam filled extension tube versions offered
- Cutting capacity: 13"
- Operating pressure: 1,000-2,000 psi

Greenlee #	Length	Weight
43178	62.5"	8.5 lbs.
38568	75.0"	9.25 lbs.
43177	88.5"	9.75 lbs.







Greenlee #	Overall Length	Cutting Capacity
43180	82"	3.5"

#### Circular Saw Assembly

- Use for high production utility line clearing and general tree clearing applications
- Super spool selector control for open and closed center hydraulic systems
- Safety features include hand stop collar, trigger guard, two-step trigger and branch stop
- Insulated fiberglass extension tube, tested to meet OSHA regulation 1910.269
- Rugged gear motor
- Angular head design makes flush cuts easier and directs chips away from the operator
- 9" diameter blade standard
- Operating pressure: 1,000-2,000 psi
- Open and closed center system
- Weight: 9 lbs.

#### Hydraulic Chains aws

- Ideal for large trimming applications and cut-up removal jobs
- Chain and bar can be adjusted without removing sprocket cover
- Sprocket cover can be removed without tools for easy saw cleaning
- Handle position can be oriented to horizontal or to 60° or 30° relative to bar and chain to user preference
- Rugged gear motor and expanded chip exit area
- Automatic chain oiler can be adjusted without tools
- Safety features include two-step safety trigger, high impact polymer front handle/shroud, wide lower handle protects hands/knuckles and chain catcher stops chain rotation
- Reduced kickback bar and chain
- Supplied with 12" steel braided whip hoses
- Chain size: 3/8" pitch
- Operating pressure: 1,000-2,000 psi
- Open and close center system
- HCS Standard grip, HPS pistol grip
- HTMA Couplers shown additional

Greenlee #	Length	Cutting Capacity	Weight
HCS816	31.5"	16"	9.5 lbs.
HCS820	35.5"	20"	10.2 lbs.
HCS8160CB (w/chain brake)	31.5"	16"	9.5 lbs.
HPS513	26.5"	13"	8.5 lbs.
HPS513CB (w/chain brake)	26.5"	13"	8.5 lbs.







Greenlee #	Jaw Opening	Length	Weight
HRD-58	5/8"	25-1/2"	45 lbs.
HRD-1	1"	25-1/2"	45 lbs.

#### HRD Ground Rod Driver with Valve

- Deep rod opening and smooth operation ensures that the driver will not jump off of rods
- Lightweight allows easy mounting on top of rods
- Can be used with open and closed center hydraulic systems
- Dual guide rods provide excellent control for driving rods straight and the remote on/off valve makes it easy to control the depth of the rod
- Maximum input pressure: 2,000 psi

#### **Tamper Assembly**

- Makes quick work of setting poles, asphalt patch and general construction backfill compacting
- Only three moving parts for low maintenance
- Kidney-shaped foot included
- Hose end valve-reversible on/off valve for open and closed center hydraulic systems
- Valve on tube-rotate trigger spool for open and closed center hydraulic systems
- H4802-6 unit does not include on/off valve
- Operating pressure: 1,000-2,000 psi
- System: open & closed center
- These items can be ordered with whip hoses and couplers, please contact us for additional info and pricing

Greenlee #	Length	Valve Location	Weight
H4802	60"	Hose End	23 lbs.
H4802-1	85"	Hose End	28 lbs.
H4802-3	72"	On Tube	23 lbs.
H4802-5	60"	On Tube	22 lbs.
H4802-6	60"	Hose End	23 lbs.





Greenlee #	Description	Weight
H4910A	Pole Puller Assembly	175 lbs.

#### **Pole Puller Assembly**

- Heavy-duty construction
- Works in confined areas, next to buildings or out in the open
- Includes proof-certified 6' alloy chains
- Capacity: 56,000 lbs. @ 2,000 psi lift
- Operating pressure: 300-2,800 psi
- Open and closed center system

#### **Breaker Assembly**

- Great for breaking sidewalks and curbs or driving ground rod and for other small demolition jobs
- Clean modular design with few protrusions to irritate operators legs
- High blow energy provides maximum breaking power
- Integral rubber damper reduces chisel noise
- Low noise and vibration levels
- AVS Tools have patented spring-dampened handles
- Two-step trigger
- Supplied with 12" steel braided whip hoses
- Open center system

Greenlee #	Length	Weight
HPB55-1AVS	30"	56 lbs.









Greenlee #	Length	Weight
HPB45-1AVS	28.5"	54 lbs.

#### Breaker Assy, 45 lb. 1-1/8x6 DMP HDL

- Low noise and vibration levels
- Integral rubber damper reduces chisel noise
- Clean modular design with few protrusions to irritate operator's legs
- Two-step trigger
- Supplied with 12" steel braided whip hoses
- Great for breaking sidewalks and curbs or driving ground rod and for other small demolition jobs
- AVS tools have patented spring-dampened handles that reduce vibration transmitted to the operator by 80-90%

#### Submersible Pump, 275 gpm

- Self-priming, compact, lightweight design with carrying handle
- High impact strainer housing
- Capacity: up to 275 gpm
- Can draw water down to depth of 1-3/4"
- Can run dry without damage
- Operating pressure: 0-2,000 psi
- Pressure port: 9/16-18 SAE O-ring
- Return port: 3/4-16 SAE O-ring
- Open and closed center system

Greenlee #	Discharge Size	Suction Size	Weight
H4665A	2" NPT Female	1-15/16"	9 lbs.
156340	2" Diameter by 25' Assembly	Discharge Hose	









Greenlee #	Discharge Size	Suction Size	Weight
H4660B	2-1/2" NPT Female	1-1/2"	23.5 lbs.
156339	2-1/2" Diameter x 25' Hose Assembly	Discharge	

#### Submersible Pump, 400 gpm

- Self-priming, high impact strainer housing with carrying handle
- Capacity: up to 400 gpm
- Can be run dry without damage
- Can draw water down to depth of 2"
- Operating pressure: 0-2,000 psi
- Pressure and return ports: 1/2" male NPTF

#### Trash Pump

- Compact, under 12" diameter to easily fit into small areas
- Self-priming submersible pump can be placed and operated quickly
- Passes up to 3" solids minimizing pump blockage from debris
- Can be run dry without damage for longer working life
- Carry handle with lifting eye
- Includes locking coupler for discharge hose
- Can draw water down to depth of 2-3/4"
- Capacity: up to 500 gpm
- Operating pressure: 0-2,000 psi
- Pressure and return ports: 1/2" male NPTF

Greenlee #	Discharge Size	Suction Size	Weight
H4635	3" NPT Female	3.125"	28.0 lbs.
49499	3" Dia x 25"	Discharge Hose Assembly	
H4670	4" NPT Female	4.0"	59.0 lbs.
154955	4" Dia x 25"	Discharge Hose Assembly	









Greenlee #	Description
HB10	Hydraulic Intensifier

#### **Hydraulic Booster Assembly**

- Small and compact
- Operates 10,000 psi remote head tools
- Able to operate on either open or closed center hydraulic systems without making any changes to the tool
- Uses the Dynapress remote control valves and hose sets
- Supplied with pressure and return high pressure screw-type couplers
- Supplied with convenient foldable carrying handle and can be permanently mounted
- Input pressure: 1,000-2,200 psi
  Maximum back pressure: 200 psi
  Output pressure: 10,000 psi
  Port sizes: 1/4-18 NPSM
- Relief valve setting: 10,000 psi
  Return port: 3/4-16 SAE O-ring
  System: open and closed center

#### Single Acting Hydraulic Pump

- 1/2 HP, 10,000 psi
- Remote operation allows full operator control
- Advance and hold feature comes standard
- Manual control directly on pump motor
- Pressure adjustment from 4,000-10,000
- Oil capacity: 2 quarts

Huskie #	Weight
R-14EH	75 lbs. With Oil







Burndy #	Description
EPP10	Electric/Hydraulic Pump

#### EPP10 Electric/Hydraulic Pump

- Small and lightweight
- Factory set relief valve
- Audible recycling of pump to signal completion of crimp cycle
- Sealed electric pendant switch and manual switch
- Quick disconnect hydraulic fitting
- Long, durable life expectancy (100,000+ life cycles)
- Lightweight cast aluminum reservoir body
- Motor: 115V AC/60Hz, 1/2hp @ 3450 rpm
- Weight: 30 lbs.



# **Hydraulic Tools**

# EHP700LU Hydraulic Power Pump

- Operates with any 10,000 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
- Includes shoulder strap and 6' corded magnetic remote
- 2-stage motor
- Weight: 14 lbs.

Greenlee #	Description
EHP700LU11	Battery-Powered Pump w/120V Charger & Two 18V 3.0Ah Li-Ion Batteries
EHP700LU12	Battery-Powered Pump w/12V Charger & Two 18V 3.0Ah Li-Ion Batteries
EHP700LU22	Battery-Powered Pump w/230V Charger & Two 18V 3.0Ah Li-Ion Batteries
EHP700LU120	Power Pump w/120V Adapter
EHP700LU230	Power Pump w/230V Adapter
EHP700LUB	Bare Tool Only
HTA4GL	Remote Control





# **High Pressure Couplers**

• 10,000 psi



# **Female Couplers**

Greenlee #	Description
3НТМ3	3/8" HTMA, External O-Ring Thread
3НТМ4	1/2" HTMA, External O-Ring Thread
EC3-21	3/8" NPTF
EC3-26	1/2" NPTF

Greenlee #	Description
130868	Male Coupler, Nose Half 1/4-18 NPSM
130878	Female Coupler, 1/4-18 NPSM
54169	Female Coupler, Nose Half 1/4- 18 NPSM
F024631	Female Coupler, 1/4-18 NPTM
22061	Male Coupler, Nose Half 3/8-18 NPTF
F021627	Female Coupler. 3/8-18 NPTM

# **Male Couplers**

Greenlee #	Description	
НТ3М3	3/8" HTMA, External O-Ring Thread	
HT3M4	1/2" HTMA, External O-Ring Thread	
EP3-21	3/8" NPTF	
EP3-26	1/2" NPTF	









# **Hydraulic Tools**

# **HID6506 Rotary Impact Hammer Drill**

- Adjustable flow control prevents over speeding and allows precise control of drilling speed
- Hammer drill in concrete, brick, rock and other difficult to drill materials
- Drill in wood or steel with auxiliary chuck
- Super spool selector control for use on open and closed center hydraulic systems
- Selector for drill or hammer/drill modes
- Rugged gear motor, reversible
- Built-in slip clutch to guard against over torque
- Depth gauge and auxiliary handle are removable for tight areas
- Length: 12"
- Operating pressure: 1,000-2,000 psi
- Speed: 775-1,100 rpm at 6.5 gpm
- Chuck: SDS plus bit shanks
- Capacity:
  - ☐ Steel, 1/2" hole
  - **□** Wood, 1-1/16" hole
  - ☐ Concrete, 3/4" hole
  - ☐ Core bits, 3"
- Weight: 9 lbs.

Greenlee #	Description
HID6506	SDS Plus Rotary Impact Drill



#### 35-Ton Hydraulic Steel Punch

- Punches up to 1/2" mild steel
- 13/16" Max hold diameter
- Will punch: oval, round, square and slotted holes
- Custom sizes available
- Operates from a 10,000 psi pump source
- · Round, Square, Oblong and Hex Dies available

Huskie #	Weight
SH-370M	28 lbs.



#### **Nut Runners**

- Deep well accepts up to 6" excess bolt length
- Includes 7/16" hex quick change adapter
- Slim profile for easy use and storage
- NR1 Diameter: 1-3/4", length with adapter: 9-1/2", length without adapter: 7-3/4"
- NR2 Diameter: 2-3/8", length with adapter: 11", length without adapter: 8-5/8"

Greenlee #	Description
NR1	Nut Sizes 5/8", 3/4", 13/16", 1"
NR2	Nut Sizes 1-1/8", 1-5/16", 1-1/2"
49782	Adapter for NR1
21111	Adapter for NR2
49314	Adapter 7/16" Hex 1/2" Square Drive Shank







# **Hydraulic Tools**



Greenlee #	Description
750	Hydraulic Cutter Only
750H767	Hydraulic Cutter Kit

# Hydraulic Cable Cutter & Ram in Storage Box

- Cuts in 7 seconds
- Jaws slide open quickly to save time between cuts
- 11 Ton ram powers cutting jaws
- Jaws are specially hardened and precision-ground to hold sharpness
- Lightweight
- Capacity: 100 kcmil copper or aluminum cable
- Jaw opening 1-15/16"

# Hydraulic Control Valves, High Pressure, For Cutters and Crimping Tools

- May be directly connected to the tool or used remotely with hoses
- Compact 4-way, 3-position valve
- 3,000-4,000 psi return line ground dump safety valve
- Controlled advance and built-in hold feature
- Single-acting valve available to use with existing single-acting tools
- High pressure quick-disconnects included, 10,000 psi

Greenlee #	Description
PVA0021	Control Valve for Single-Acting Tool
PVA 0022	Control Valve for Double-Acting Tool









Greenlee #	Hose Diameter	Length
138573	3/16" ID	6' Pair
138574	3/16" ID	10' Pair
F020721	3/16" ID	6' Single Hose
F020723	3/16" ID	10' Single Hose

# Hose Assembly, High Pressure Set

- Certified non-conductive orange rubber
- For use between Dynapress Intensifier or electric pump and control valve (138573, 138574)
- For use between control valve and tool (F020721, F020723)
- 1/4" NPT Male fitting on one end of high-pressure quick-disconnect on the other end (138573, 138574)
- 1/4" NPT Male fitting on both ends (F020721, F020723)
- Working pressure: 10,000 psi

#### Hose Assembly, Low Pressure Set

- Certified non-conductive orange rubber
- Double rayon braid
- 3/8" NPTF Male fitting connection
- Working pressure: 2,250 psi

Greenlee #	Hose Diameter	Length
135245	3/8" ID	8'
135247	3/8" ID	10'





# H.K. Porter Center Cut Bolt Cutter, Fiberglass Handles

- All-purpose jaws with center-cut blades
- Cuts soft, medium, and hard metals
- Lockplate keeps jaws from loosening
- Screw-type adjustment realigns edges
- Strong, lightweight, fiberglass handles
- Toggle joints turn 50 lb. hand pressure to 4,000 lb. cutting force



H.K. Porter #	Length	Weight	Capacity
0090FC	18-1/4"	3.5 lbs.	3/8"
0190FC	24-1/2"	4.5 lbs.	7/16"
0290FC	30"	7.5 lbs.	3/8"
0390FC	36"	11.5 lbs.	7/16"
0013C	Cutterhead for 0090FC & MC		
0113C	Cutterhead for 0190FC & MC		
0213C	Cutterhead for 0290FC & MC		
0313C	Cutterhead for 0390FC & MC		

# H.K. Porter Ratchet-Type Hard Cable Cutter

- Jaw keeper prevents jaws from spreading while under heavy load
- Ratchet and chain increase cutting pressure as handles open and close
- Cuts hard cable, ACSR, ACAR, ZEBRA, and self-supporting telephone cable
- Moderate pressure needed to open and close handles

H.K. Porter #	Length	Weight	Capacity
8690FH	29-1/4"	10-1/2 lbs.	13/16"
8613FH	Cutterhead for 8690FH		





# H.K.Porter®

H.K. Porter #	Length	Weight	Capacity
0090MC	18"	3-1/2 lbs.	3/8"
0190MC	24"	5-1/4 lbs.	7/16"
0290MC	30"	8-1/2 lbs.	1/2"
0390MC	36"	12-7/8 lbs.	9/16"

# H.K. Porter Center Cut Bolt Cutter, Steel Handles

- Recommended for the most demanding hand cutting applications
- Drop-forged, precision ground, alloy tool steel jaws, center-cut blades
- Cuts soft, medium, or hard materials
- Heavy-duty straps support the jaws
- Lockplate keeps jaws from loosening
- Screw-type adjustment realigns edges
- Tubular steel handles
- Toggle joints turn 50 lb. hand pressure to 4,000 lb. cutting force

# H.K. Porter Ratchet-Type Soft Cable Cutter

- Jaw keeper prevents jaws from spreading while under heavy load
- Cuts copper and aluminum
- Improved heavy duty jaw design-built for tough conditions
- Ratchet provides up to five times mechanical advantage over manual cutters

H.K. Porter #	Length	Weight	Capacity
8690FSK	27-1/2"	3-1/2 lbs.	2"
8613FSK	Cutterhead for 8690FSK		







Klein Tools #	Overall Length	Soft/Med Cap	Hard Cap
63124	24-1/2"	7/16"	5/16"

#### **Bolt Cutter**

- Fiberglass handles have heavy vinyl grips with flat grips ends for 90° cuts
- All-purpose, center-cut jaws for soft, medium and hard metals
- Forged, alloy tool steel jaws are precision ground for sure, efficient cutting and long life
- Lockplate reinforcement prevents jaw bolts from loosening or turning, keeps jaws in correct alignment
- One adjustment realigns cutting edges
- 3-Point toggle joint multiplies 50 lbs. of hard pressure on handles to 4,000 pounds of cutting jaws
- Cutting capacities for hard materials is up to Brinell 400, Rockwell C42
- Cutting capacities for soft and medium materials is up to Brinell 300, Rockwell C31

#### **Bolt Cutter**

- Suitable for cutting hard material
- Short cutting edge for high tensile steel, bolts, wire, rods, chain links, and case hardened chains
- Handles are filled with unicellular foam core

Hastings #	Description	Head Only
10-666	20" Center Cut, 12" Handle	A11012
10-667	24" Center Cut, 16" Handle	A11012
10-767	30" Center Cut, 21" Handle	A11013





H.K. Porter #	Length	Weight	Capacity
8690TN	36"	13 lbs.	3/4"
8613TN	Cutterhead for 8690TN		

# H.K. Porter Ratchet-Type Wire Rope Cutter

- Ratchet-type jaws with notched shear-cut blades
- Blades hold and lock material in place
- Cuts aircraft cable, EHS guy strand, wire rope and stainless steel cable
- Cuts all strands with minimal crushing or distortion

#### **Heavy-Duty Ratchet Cable Cutter**

- Extra thick blades, ground flat to reduce potential for breakage
- Ratchet action for heavy-duty cutting
- Two cutting actions-fast scissor cutting for small cable and insulation; converts automatically to ratchet mode
- Anti-slip mechanism for positive ratchet action
- Rubber boot protects ratchet mechanism
- Cutting capacity (756):
   □ AL & CU: 1500 kcmil
- Cutting capacity (757):
  - ☐ ACSR: 954 kcmil☐ Soft steel rod: 1/2"

Greenlee #	Length	Jaw Size	Weight
756	27-1/2"	2"	11.41 lbs.
757	29-1/4"	1.180"	12.22 lbs.
34188	Replacement Cutter Head for 756 (2 blades included)		
34187	Replacement Cutter Head for 757 (2 blades included)		





#### **Heavy-Duty Bolt Cutter with Fiberglass Handles**

- Unique cam bolt blade adjustment for easy cutter alignment
- Forged steel blades for a long life
- Clevis-mounted blades for greater strength
- Custom rubber grips for maximum power
- Fiberglass handles are tough and lightweight



		Description/Cap	pacity	
Greenlee #	Length	RB85	RC40	Weight
HDFBC18	18"	5/16"	7/32"	3.4 lbs.
HDFBC24	24"	3/8"	9/32"	10.3 lbs.
11367	Replacement Blade Unit for HDFBC18			
11342	Replacement Blade Unit for HDFBC24			

## H.K. Porter Compact Ratcheting Cable Cutter

- For cutting soft cable
- Lightweight cutter for confined spaces
- Ratchet-type jaws with shear-cut blades
- Fiberglass handles with non-slip, plastic grips
- Cutter has self-lubricating ratchet and only six moving parts
- Leaves no burrs or sharp edges

H.K. Porter #	Length	Weight	Capacity
6990FS	14"	3-1/2 lbs.	500 MCM CU, 795 AL
6990FSL	19"	3-1/2 lbs.	500 MCM CU, 895 AL
6912FS	Replacement Baldes for 6990FS, FSL		



# H.K.Porter®

# **Jenny Tools**



Jenny Tools #	Length	Description
7116	20"	Ratchet Action Cutters

## Ratchet Drive Cutter for Cu/Al

- Patented blade design
- Two handed operation
- Maximum cutting capacity: 2000 MCM Cu
- Maximum insulation diameter: 2.375"
- Cutter blades are field replaceable
- Compact and lightweight
- Weight: 4.5 lbs.

#### **Ratchet Drive Cutters for ACSR**

- Heavy duty blade design
- Fiberglass handles with PVC covers and vinyl hand grips
- Smaller and lighter than competitors
- Maximum cutting capacity: 556 MCM ACSR-600 MCM Cu
- Weight: 4.5 lbs.

Jenny Tools #	Length	Description
7118	20"	Ratchet Action Cutters



JennyTools

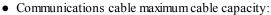


Toll Free: 800-796-9027 Fax: 540-438-9502

www.specialfleettools.com

#### **Ratcheting Cable Cutter**

- High leverage ratchet mechanism for single-handed cutting of copper and aluminum cables
- Patented two-step ratchet requires fewer strokes per cut
- Quick release lever opens blades easily in every cutting position
- Precision ratcheting mechanism holds cable tight and allows rapid, straight cuts with minimum effort
- Hardened steel cutting blades with hand guards
- Copper maximum cable capacity:
  - □ 400 MCM (63060)
  - □ 1000 MCM (63750)
- Aluminum maximum cable capacity:
  - □ 600 MCM (63060)
  - □ 1000 MCM (63750)



- **□** 1-1/8" (63060)
- **2**-1/16" (63750)

Klein Tools #	Description
63060	10-1/4" Ratcheting Cable Cutter
63750	12-1/8" Ratcheting Cable Cutter





#### **ACSR Ratcheting Cable Cutter**

- Cutting inserts are easily replaced by simply removing three screws per blade
- Capacity:
  - □ 477 MCM ACSR (26/7)
  - ☐ 1-1/4" Stranded aluminum and copper
  - ☐ 1" Solid copper
  - □ 1/2" Guy strand
- Tool can be locked when not in use
- High leverage ratcheting mechanism for easier cutting
- Plastic covered handles with hand guards



Klein Tools #	Description
63800-ACSR	13-3/4" Ratcheting Cable Cutter

#### ACSR Cable Cutter

- High leverage ratchet mechanism for single-handed cutting of copper and aluminum cables
- Patented two-step ratchet mechanism requires fewer strokes per cut
- Quick release lever opens blades easily in every cutting position
- Precision ratcheting mechanism holds cable tight and allows rapid, straight cuts with minimum effort
- Hardened steel cutting blades for lasting strength and sharpness
- Plastic covered handles with hand guards
- Capacity:
  - □ 336 MCM ACSR
  - $\square$  600 MCM Stranded aluminum and copper
  - ☐ 400 MCM Solid copper

Klein Tools #	Description
63607	10-1/4" Ratcheting Cable Cutter



#### **Ratchet Cable Cutter**

- Simple, one handed operation
- 2-Speed ratcheting mechanism adjusts for light/heavy cutting
- Well-suited for tight working spaces
- Blades can be opened mid-cycle
- Cushioned grip handle type

Greenlee #	Length	Jaw Size	Cutting
45206	10"	1-7/16"	750 kcmil (AL), 500 (CU)
45207	11"	2"	1000 kcmil (AL), 750 (CU)





# H.K. Porter Shear-Type Hand Operated Cutter

- Drop-forged, alloy tool steel jaws with shear cut blades
- Cuts copper or aluminum
- Cuts power and communications cable
- Lightweight fiberglass handles for 2-handed control

H.K. Porter #	Length	Weight	Capacity
0290FCS	25"	4-1/2 lbs.	500 MCM CU, 750 AL
0213CSS	Replacement Blades for 0290FCS		
0390FCS	32"	6 lbs.	750 MCM CU, 1200 AL
0313FSS	Replacement Blades for 0390FCS		





Klein Tools #	Description
63041	25" Cable Cutter

#### **Standard Cable Cutter**

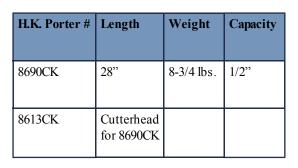
- Lightweight with strong fiberglass handles with vinyl grips for slip resistance and comfort
- Replaceable hook-jaw blades
- Heavy-duty pins in head serve as blade-stops
- Jaws made from forged tool steel with black-oxide finish which increases life
- Not designed for cutting steel or ACSR
- MCM Cable-Cutting Maximum Capacity: 500 Copper, 750 Aluminum
- Weight: 5.25 lbs.

# Shear Action Cutters with Replaceable Fiberglass Handles

- For use on copper and aluminum
- Blades are heat treated and tempered
- Two handed operation
- Replaceable blades and handles

Jenny Tools #	Length	Cutting Capabilities	Weight
1124	21"	600 MCM Cu/ 600 MCM Al	3.5 lbs.
1132	32"	1000 MCM Cu/ 1200 MCM A1	9 lbs.







# H.K. Porter Ratchet-Type Guy Strand Cutter

- Notched shear-cut blades hold material firmly in place
- Makes clean, square cuts with minimal distortion
- Cuts EHS guy strand, mold steel rods, bolts and similar materials



#### **Insulated Handle Cable Slicer**

- For use on soft copper and all aluminum cable only
- Not to be used on steel or ACSR cable
- Replaceable fiberglass handles are electrically tested
- Drop forged cutter blades and fiberglass handles are designed for easy field replacement

Hastings #	Description
10-072	28-3/4" Cable Slicer
10-070	20-1/2" Cable Slicer
A11058	Blade Assembly for 10-070
A11006	Cutter Blade for 10-070 Prior to 2006







Burndy#	Description
OH25	Dieless Ratchet Tool

# **OH25 Hytool Dieless Ratchet Tool**

- Installs service entrance splice connectors
- Conductor range: #10 through 1/0
- Forged steel jaws and stainless steel indenter
- Ratchet mechanism provides proper uniform crimp
- Spring loaded comfort grip handles
- Maximum handle force: 50 lbs.
- Maximum force developed: 6,000 lbs.

# MRC840 Hytool Rotating Die Crimper

- Multiple grip selections on rotatable die wheels
- High strength fasteners
- Plated, heat treated, steel jaws
- Engraved crimp groove (Die index number)
- Comfort grip handles
- Crimping capacity: #8-4/0 AWG
   Non-insulated copper terminals and splices
- Weight: 8.25 lbs.

Burndy #	Description
MRC840	Mechanical Rotating Crimp Tool





Burndy#	Description
MY29-3	Dieless Lever-Type Crimper

#### MY29 Dieless Lever-Type Hytool Crimper

- Heavy-duty forged steel construction
- Reinforced back and comfort grip handles
- Adjustable nest die with knurled steel knob and machine threads
- Crimping capacity: #8 str-250 kcmil copper commercial (code) cable, 30 navy-250 navy copper navy cable, #8 str-4/0 str aluminum commercial (code) cable
- Weight: 8 lbs.



# MD6 Hytool Hand-Operated Crimping Tool

- Crimp force: 9,000 lbs.
- Installs full range of connectors (taps, splices, terminals): #14 through 4/0, in full tension and non-tension applications
- Butting steel jaws for proper crimps
- No additional dies required for "O" and "D3" size tap connectors
- Increased strength and greater bearing area provided with larger steel bolts
- Spring loaded positive lock die retainer buttons
- Over center cam action for full crimp force
- Lightweight high strength aluminum alloy castings
- The "D3" groove accommodates the complete line of type-"W"- die inserts

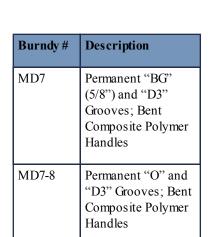
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Greenlee #	Description
K425K58	Crimping Tool with Kearney O and 5/8" Die Grooves
K425KO	Crimping Tool with Kearney D and O Die Grooves

# MD7 Posi-Press Hytool Crimper

- Crimp force: 9,000 lbs.
- Designed for compression of sleeves, lugs and H-frame parallel groove connectors
- Allows use of the complete line of BURNDY "W" and "X" die inserts
- Permanent "D3" die groove
- Ergonomically designed, 1-piece, comfort-grip composite polymer handles
- Butting steel jaws for proper crimps
- Positive lock, spring loaded die retainer buttons
- PTFE Impregnated steel/bronze bushings and stainless steel pins
- Electroless nickel plated jaws and jaw links
- Weight: 6 lbs.



Burndy#	Description
MD6	Std. MD6 with Permanent "BG" (5/8") and D3 Grooves-Bent Wooden Handles
MD6-8	Std. MD6-8 Head with Permanent "O" Die and D3 Grooves-Bent Wooden Handles





#### Manual Crimper

- Designed for crimping a wide range of overhead service entrance connections. overhead splices and overhead taps
- Easy-to-use MD-6 type "pop" tool
- Bent fiberglass handles
- Teflon-impregnated bushings at pivot joints
- Complete crimps are assured with an over-center cam mechanism
- Tool can easily be checked visually for proper adjustment and can be adjusted with Allen wrenches
- Length: 25-3/8"
- Weight: 7.1 lbs.







Burndy #	Description
Y750H	Hand Operated
SXT	Hydraulic Tool

# Y750HSXT 750 HYPRESS Hand Operated Hydraulic Tool

- 12-Ton output force
- C-shaped head with 1.65" opening and 355° rotation
- Patented rapid advance pump
- Exposed positive die lock buttons
- Audible "pop-off" pressure relief valve
- Operating pressure: 10,000 psi
- High-impact plastic carrying case
- Uses all standard "U" Series dies
- Weight: 14.5 lbs.



# EP-750A: 6.2 Ton Flip-Top Dieless Crimping Tool

- 1.5" Jaw opening
- Rapid advance
- Flip-top head design
- Eliminates need for dies
- Connector Range:
  - ☐ #10 AWG-750 MCM

Huskie #	Length	Weight
EP-750A	23"	11.5 lbs.







# **EP-430: 12 Ton Compression Tool** with Rubber Boot

- Large 1-3/16" jaw openings
- Able to splice up to 600 MCM using 12-ton "U" type dies
- Output: 12 tons
- Lugs up to 750 MCM
- Two-stage pumping piston for rapid advance
- 180 degrees swivel crimping head permits installations in confined areas
- Accepts all "U" type dies
- Twist handle release mechanism

Burndy#	Description
Y81KF MBH	Dieless Hand Operated Hydraulic Crimping Tool



- 6-Ton output force
- Dieless installation, 360° head rotation
- Flip top head design, handle trigger ram release
- Advanced high-speed pump design
- Audible pressure "pop-off" valve and die embossment
- UL Listed and CSA certified with range taking capabilities
- Includes: high-impact formed carrying case
- Crimping capacity:
  - ☐ 1000 kcmil Copper
  - ☐ 750 kcmil Flex wire
  - ☐ 750 kcmil Aluminum
- Weight: 12 lbs.



Huskie #	Length	Weight
EP-430	24"	13.5 lbs.





Huskie #	Length	Weight
EP-510C	25"	16.5 lbs.

# EP-510C: 12 Ton Compression Tool with Rubber Boot

- 1.65" Jaw opening
- Protective rubber boot on "C" head
- External pressure adjustment
- UL Classified
- Connector Range:
  - ☐ Lugs & Splices: Up to 750 MCM Al and Cu



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# EP-510K: 12 Ton Compression Tool with Rubber Boot

- 1.5" Jaw opening
- Protective rubber boot on "C" head
- External pressure adjustment
- Connector Range:
  - ☐ Lugs & Splices: Up to 1033 MCM Strand, 47 ACSR

Huskie #	Length	Weight
EP-510K	26"	17 lbs.





Chance #	Description
C4032861	6' Hydraulic Cable Cutter
C4032862	8' Hydraulic Cable Cutter

#### **Insulated Hydraulic Cable Cutters**

- For #6 solid copper (0.162" diameter) to 954 kcmil ACSR (1.16" diameter)
- Guillotine-type jaw head
- Operates like a hydraulic jack by simply pumping the handle
- Epoxiglas pole, handle and hydraulic hose
- Hose has minimum burst strength of 12,000 psi
- Pump provides 9,000 psi maximum pressure
- Single control knob selects direction
- Maintenance and operating instructions are included with each tool

## HT-TC, Hydraulic Cable Cutters

- Double speed action
- Automatic safety valve to bypass oil
- Pressure release device
- Steel cutting blade
- Cuts:
  - ☐ Copper
  - ☐ Aldrey

☐ Aluminum

- ☐ Aluminum/steel cables and rope
- ☐ Aluminum and steel rods
- HY-TC041 and HT-TC026Y: 180° Rotating head
- HT-TC055: 327° Rotating head

Cembre #	Description	Weight
HT-TC026Y	1" Diameter Max Cut	7.37 lbs.
HT-TC041	1-9/16" Diameter Max Cut	12.76 lbs.
HT-TC055	2-3/16" Diameter Max Cut	18.26 lbs.





Hastings #	Description
11-006	6', with A11055 ACSR Head
11-008	8', with A11055 ACSR Head
11-018	8', with A11056 Soft Wire Cutter Head

# **Insulated Ratchet Cutter**

- For cutting ACSR and soft wire conductors
- Overhead or underground
- Interchangeable cutting heads
- Upper roller guide minimizes shaft deflection
- Handle folds to store in 6' canister



# **Ratcheting Cable Cutters**

- For stranded and flexible copper and aluminum cable
- Hardened, precision cutting blade for long life
- Locking mechanism for safe transport
- Not for use on steel, aluminum alloy, or hard-drawn copper cables L

Cementex #	Size	Capacity
RCC500	10"	Up To 500 MCM or 1.40" Diameter
RCC750	9"	Up To 750 MCM or 1.60" Diameter





Klein Tools #	Description
63050	9-1/2" Cable Cutter

# **High Leverage Cable Cutter**

- High leverage design for exceptional cutting capability
- Precision, one-hand shearing action
- Cable gripping shear-type jaws
- Perfect for working in confined spaces
- Maximum cable cutting capacity: 4/0 aluminum, 2/0 soft copper, 100-pair 24 AWG communications cable

#### Phillips Tip Screwdrivers

- Double-insulated Phillips screwdriver
- Insulated shaft and cushion grip handle

Cementex #	Size
P1-3-CG	#1 x 3"
P2-4-CG	#2 x 4"
P2-6-CG	#2 x 6"
P2-8-CG	#2 x 8"



## Heavy-Duty Round Shank Screwdriver-Insulated Keystone Tip

- Individually tested to exceed standards, 1,000 V-rated
- Tips are precision ground to fit screw openings securely and resist slippage
- Cushion grip handles





Klein Tools #	Shank Tip	Shank Length	Overall Length
602-4-INS	1/4"	4"	8-5/16"
602-6-INS	5/16"	6"	10-15/16"
602-10-INS	3/8"	10"	15-7/16"



# Round Shank Screwdriver-Insulated Cabinet Tip

- Individually tested to exceed standards, 1,000 V-rated
- Cushion grip handles

• For electrical, telephone, and work in recessed holes

and other tight spaces

Klein Tools #	Shank Tip	Shank Length	Overall Length
601-4-INS	3/16"	4"	7-3/4"
601-6-INS	3/16"	6"	9-3/4"





## Round Shank Screwdriver-Insulated Phillips Tip

- Individually tested to exceed standards, 1,000 V-rated
- Cushion grip handles
- Tips are profilated to provide a more consistent geometric symmetry than conventional Phillips tip screwdrivers

Melli 10015 #	TipSize	Shank Length	Over all Length
603-3-INS	#1	3"	6-3/4"
603-4-INS	#2	4"	8-5/16"





## Cabinet Tip Screwdrivers

• Double-insulated cabinet tip slotted screwdriver with insulated shaft and cushion grip handle

Cementex #	Size
MC4P-CG	3/16" x 4"
MC6P-CG	3/16" x 6"
M4-CG	1/4" x 4"
M6-CG	1/4" x 6"
M8-CG	1/4" x 8"







Cementex #	Description
TR-6SD	6-Piece Cushion Grip Screwdriver Set

#### 6-Piece Screwdriver Roll

- Double-insulated screwdriver set with black tool pouch
- Each insulated screwdriver features a cushion grip handle
- - ☐ #1 x 3" Phillips tip screwdriver
  - ☐ #2 x 4" Phillips tip screwdriver
  - □ 3/16" x 4" Cabinet tip screwdriver
  - □ 3/16" and 1/4" x 6" Cabinet tip screwdriver
  - □ 5/16" x 6" Mechanic's tip screwdriver



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#### 7-Piece Cushion Grip Nut Driver Set-3" Shaft

- Full hollow shaft for long bolts or studs, with magnetic tip
- 631 Includes:
  - □ 3/16" Non-hollow shaft (630-3/16)
  - □ 1/4" Hollow shaft (630-1/4)
  - □ 5/16" Hollow shaft (630-5/16)
  - □ 11/32" Hollow shaft (630-11/32)
  - □ 3/8" Hollow shaft (630-3/8)
  - □ 7/16" Hollow shaft (630-7/16)
  - □ 1/2" Hollow shaft (630-1/2)
- 631M Includes:
  - □ 3/16" Non-hollow shaft (630-3/16M)
  - □ 1/4" Hollow shaft (630-1/4M)
  - □ 5/16" Hollow shaft (630-5/16M)
  - □ 11/32" Hollow shaft (630-11/32M)
  - □ 3/8" Hollow shaft (630-3/8M)
  - □ 7/16" Hollow shaft (630-7/16M)
  - □ 1/2" Hollow shaft (630-1/2M)
- All items also available individually

Klein Tools #	Description
631	7-Piece Cushion Grip Nut Driver Set
631M	7-Piece Magnetic Tip Cushion Grip Nut Driver Set





Klein Tools #	Description
85076	7-Piece Set

## 7-Piece Cushion Grip Screwdriver Set

- Includes:
- ☐ 1/4" Square shank, keystone tip (600-4)
  - □ 5/16" Round shank, keystone tip (602-6)
  - □ 3/16" Round shank, cabinet tip (601-3)
  - □ 3/16" Round shank, cabinet tip (601-6)
  - □ 1/4" Round shank, cabinet tip (605-4)
  - ☐ 3" Round shank, No. 1 Phillips tip (603-3)
  - ☐ 4" Round shank, No. 2 Phillip tip (603-4)
- All items also available individually

# $\hbox{5-Piece Cushion Grip Screwdriver Set}\\$

- Includes:
  - □ 1/4" Square shank, keystone tip (600-4)
  - □ 3/16" Round shank, cabinet tip (601-6)
  - □ 5/16" Round shank, keystone tip (602-6)
  - □ 4" Round shank No. 2 Phillips tip (603-4)
  - □ 1/4" Round shank, cabinet tip (605-6)
- All items also available individually

Klein Tools #	Description
85075	5-Piece Set





Klein Tools #	Tip Size	Blade Length	Overall Length
602-4DD	1/4"	4"	9"
602-7DD	5/16"	7"	12-3/8"

# **Demolition Driver-Keystone Tip Screwdriver**

- Plated metal strike cap to protect handle from hammer blows
- Heat treated metal shaft runs complete length of handle to metal strike cap to transfer metal strike force



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# Heavy-Duty Round Shank Screwdriver-Keystone Tip

- Built to handle the tough jobs with ease
- Hex bolster reinforces shank for hard use and allows wrench assisted turning

Klein Tools #	Tip Size	Shank Length	Overall Length
602-4	1/4"	4"	8-11/32"
602-6	5/16"	6"	10-15/16"
602-8	3/8"	8"	13-7/16"





Klein Tools #	Tip Size	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"

# Heavy-Duty Square Shank Screwdriver-Keystone Tip

- Heavy-duty square shank for wrench assisted turning
- Bolster reinforces shank for hard use
- Designed for the most demanding uses

# Heavy-Duty Round Shank Screwdriver-Cabinet Tip

• Narrow cabinet tip permits blade access where space is limited

Klein Tools #	Tip Size	Shank Length	Overall Length
605-4	1/4"	4"	8-11/32"
605-6	1/4"	6"	10-11/32"









Klein Tools #	Tip Size	Shank Length	Overall Length
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"

# Round Shank Screwdriver-Profilated Phillips Tip

- Tips are precision-machined to provide a more consistent geometric symmetry than conventional Phillips tip screwdrivers
- Provides accurate fit and torque without slippage

# Round Shank Screwdriver-Cabinet Tip

• Narrow cabinet tip permits blade access where space is limited

Klein Tools #	Tip Size	Shank Length	Overall Length
601-4	3/16"	4"	7-3/4"
601-6	3/16"	6"	9-3/4"







Cementex #	Description
TR-8NDXL	8-Piece Cushion Grip Extra Long Nut Driver Kit, 6" Long
TR-8ND	8-Piece Cushion Grip Nut Driver Kit, 3" Long

#### 8-Piece Nut Driver Roll Kit

- Double insulated, cushion grip
- Includes:
  - ☐ Black tool pouch
  - **□** 3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2" and 9/16"

# Gementex

# 7-Piece Cushion Grip Nut Driver Set-6" Shaft

- Full hollow shaft for long bolts or studs, with magnetic tip
- 647 Includes:
  - □ 3/16" Non-hollow shaft (646-3/16)
  - □ 1/4" Hollow shaft (646-1/4)
  - □ 5/16" Hollow shaft (646-5/16)
  - □ 11/32" Hollow shaft (646-11/32)
  - **□** 3/8" Hollow shaft (646-3/8)
  - □ 7/16" Hollow shaft (646-7/16)
  - □ 1/2" Hollow shaft (646-1/2)
- 647M Includes:
  - □ 3/16" Non-hollow shaft (646-3/16M)
  - □ 1/4" Hollow shaft (646-1/4M)
  - □ 5/16" Hollow shaft (646-5/16M)
  - □ 11/32" Hollow shaft (646-11/32M)
  - □ 3/8" Hollow shaft (646-3/8M)
  - □ 7/16" Hollow shaft (646-7/16M)
  - □ 1/2" Hollow Shaft (646-1/2M)
- All items also available individually
- Klein Tools # Description 647 7-Piece Cushion Grip Nut Driver Set 647M 7-Piece Magnetic Tip Cushion Grip Nut Driver Set







- Impact resistant two-color insulating material
- All items also available individually
- Custom kits built to your requirements



TK30



SALISBURY by Honeywell

Salisbury# Description TK9 Basic Electricians Roll, 9 Pieces in Tool Roll **TK30** Deluxe Maintenance Tool Kit, 30 Pieces in Plastic Tool Box TK30ETK Electrician's Tool Kit. 30 Pieces in Plastic Tool Box TK60 Hot Box Tool Kit, 60 Pieces in Plastic Tool Box w/Tool Rolls



#### **Utility Insulated 13-Piece Tool Kit**

- Individually tested to exceed standards, 1,000 V-rated
- Two layers of insulation provide protection against electric shock
- Custom case includes two pallets with custom-fitted pockets for each tool, piano-hinged case cover has both a combination lock and two key-locked latches for security, storage space behind the pallets
- Kit Includes:
  - ☐ Side-cutting pliers (D2000-9NE-INS)
  - ☐ Diagonal-cutting pliers (D2000-28-INS)
  - ☐ Diagonal-cutting pliers, angle head (D2000-48-INS)
  - ☐ Heavy-duty long-nose pliers, side-cutting (D203-8-INS)
  - ☐ Keystone heavy-duty round shank screwdriver, 1/4" x 4" (602-4-INS)
  - ☐ Keystone heavy-duty round shank screwdriver, 5/16" x 6" (602-6-INS)
  - ☐ Keystone heavy-duty round shank screwdriver, 3/8" x 10" (602-10-INS)
  - ☐ Phillips round shank screwdriver, No. 1 (603-3-INS)
  - ☐ Phillips round shank screwdriver, No. 2 (603-4-INS)
  - ☐ Phillips round shank screwdriver, No. 3 (603-6-INS)
  - ☐ High-leverage cable cutter (63050-INS)
  - ☐ Pump pliers (D502-10-INS)
  - ☐ Cable/lineman's skinning knife (1570-3LR-INS)
- All items also available individually

Klein Tools #	Description
33525	13-Piece Tool Kit





#### **Basic Insulated Tool Set, 24 Piece**

- Double-insulated
- Includes:
  - ☐ 9" Linesman's plier
  - ☐ 6" Diagonal cutting plier
  - ☐ 6" Needle nose plier
  - 8" Slip join plier
  - □ 10" Crimping plier
  - □ 10" Water pump plier
  - □ 3/16" x 4" Cabinet tip screwdriver
  - □ 1/4" x 6" Cabinet tip screwdriver
  - □ 1/4" x 4" Mechanic's tip screwdriver
  - □ 5/16" x 6" Mechanic's tip screwdriver
  - ☐ #1 x 3" Phillips tip screwdriver
  - ☐ #2 x 4" Phillips tip screwdriver
  - $\square$  3/16", 1/4", 5/16", 3/8", 7/16" and 1/2" Long arm hex wrenches
  - □ 1/4", 5/16", 3/8", 7/16" and 1/2" 3" Nut driver
  - ☐ Carrying case



# Basic Electrician's Roll Tool Kit, 9 Piece

- Includes:
  - ☐ 9" Linesman's plier (P9SCNE)
  - ☐ 7" Needle nose pliers (P7CN)
  - ☐ 7" Diagonal pliers (P7D)
  - □ 9" Wire stripper (WS19)
  - □ 3/16" x 4" Cabinet tip screwdriver, cushion grip (MC4P-CG)
  - □ 3/16" x 6" Cabinet tip screwdriver, cushion grip (MC6P-CG)
  - □ 1/4" x 6" Cabinet tip screwdriver, cushion grip (M6-CG)
  - ☐ #1 x 3" Phillips tip screwdriver, cushion grip (P1-3-CG)
  - ☐ #2 x 4" Phillips tip screwdriver, cushion grip (P2-4-CG)
  - ☐ Black tool pouch







Klein Tools #	Description
48036	Knife Sharpener

#### **Combination Knife & Scissors Sharpener**

- High grade, tungsten-carbide inserts sharpen both sides of the blade at the same time
- Restores knife edge in three or four strokes
- Built-in finger guard
- Lightweight, compact size
- Sharpens electrician's scissors, pocket knives, retractable blade utility knives, razor blade knives and serrated knives

# Lightweight Lockback Pocket Knife-Sheepfoot Blade

- Blades are AUS 8 stainless steel hardened to 58-59 Rc
- Premium quality blade offers superior edge holding
- Impact-resistant nylon resin handle with rubber insert
- Reversible thumb stud provides easy one-handed opening

Klein Tools #	Blade Length	Blade Color
44004	2-3/8"	Silver
44005	2-5/8"	Silver











KLEIN (1)

# Lightweight Lockback Pocket Knife-Drop-Point Blade

- Blades are AUS 8 stainless steel hardened to 58-59 Rc
- Premium quality blade offers superior edge holding
- Slim and comfortable silver anodized-aluminum handle for corrosion-resistance (44000)
- Black chrome blade and black anodized-aluminum handle for corrosion-resistance (44000-BLK)
- Impact-resistant nylon resin handle with rubber insert (44002 & 44003)
- Reversible thumb stud provides easy one-handed opening

Klein Tools #	Blade Length	Blade Color
44000	2-1/4"	Silver
44000-BLK	2-1/4"	Black
44002	2-3/8"	Silver
44003	2-3/4"	Silver
44001	2-1/2"	Silver w/Pocket Clip
44001-BLK	2-1/2"	Black w/Pocket Clip



#### 1-Blade Pocket Knife-Sheepfoot Slitting Blade

- Extra-large curved sheepfoot slitting blade
- Ideal for heavy-duty line work
- Wood grain plastic handle
- Blade locks open

Klein Tools #	Blade Length	Description
1550-4	2-5/8"	Carbon Steel









Klein Tools #	Closed Length	Overall Length
44131	4-1/8"	4-1/2"

## **Folding Utility Knife**

- Push button to open and close
- Triple ground blades
- Rubber grips on handle
- Heavy-duty durable construction

#### Cable Splicer's Knife

- Special purpose short blade with comfortable, full-sized, heavy-duty handle
- Coping-type blade made of the finest cutlery steel, tough and carefully tempered to hold its edge
- Handle is textured for comfort and firm grip
- Hang hole for easy storage and portability

Klein Tools #		Blade Length
44200	6-1/4"	1-3/4"





Klein Tools #	Blade Length
1570-3	3"

# Cable/Lineman's Skinning Knife

- Blade withstands frequent scoring and slitting of cable jacket
- Blade and ring are securely molded in handle
- Notch on blade back for scraping or removing wire insulation
- Comfortable textured handle with finger grooves and guard
- No contact between stainless steel ring and hardened steel blade
- Rectangle-shaped handle design for attachment to some utility hot stick equipment
- 8" Overall length less ring

# Klein Kurve Skinning Knife

- 2" Blade for increased control when scoring and slitting cable jacket
- Ergonomic handle
- Oversized ring for strength and easy storage
- Notch on blade back for scraping or removing wire insulation
- 8-3/4" Overall length

Klein Tools #	Blade Length
1580-3	2"









Klein Tools #	Blade Length
1571INS	2-3/8"

## Insulated Lineman's Skinning Knife

- Clearly marked with 1,000 V-rating symbol
- Two-layer insulation
- Molded measuring marks on back of handle
- Large molded handle
- Tough, tempered steel blade provides maximum sharpness and durability to withstand frequent cable scoring
- 8-3/4" Overall length

#### BrushBlade The Lineman's Knife

- Maximum versatility and safety
- Integrated replaceable wire brush for cleaning conductors to make better connections
- Brushes up to 1,000 MCM conductor
- Blade locks in open position and can be closed when not in use
- Blunt tip blade
- Reversible thumb stud for quick one handed opening from left or the right
- Built-in snap ring

Madi #	Description
BB-1	BrushBlade Lineman's Knife
WB-1	Wire Brush Replacement





Greenlee #	Description
UT652-24	Drop Point Folding Knife

#### **Drop Point Pocket Knife**

- Stainless steel blade for extra durability and corrosion resistance
- Premium finish desert ironwood handle contoured for comfortable hand fit
- Belt clip for added convenience
- Lock-back for increased safety
- Blade 2.25", handle 3.5"

#### **Titanium Coated Drop Point Pocket Knife**

- Titanium coated stainless steel blade for premium durability and corrosion resistance
- 40 PCT Serrated edge for tough cutting jobs
- Aircraft grade aluminum handle to endure extra rough handling
- Ambidextrous thumb-stud and reversible belt clip for added convenience
- Lock-back for increased safety
- Blade 2.25", handle 3.5"

Greenlee #	Description
UT652-25	Drop Point Folding Knife





Greenlee #	Description
UT652-28	Hawkbill Folding Knife

#### Hawkbill Pocket Knife

- Stainless steel blade for extra durability and corrosion resistance
- Premium finish rosewood handle contoured for comfortable hand fit
- Belt clip for added convenience
- Lock-back for increased safety
- Blade 2.83", handle 4"



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## Skinning Knife with Ergonomic Handle

- Popular choice
- Durable blade stays sharp

Buckingham#	Description
7090	With Standard Blade and Accessory Ring
70902	With Blunt Point and Accessory Ring

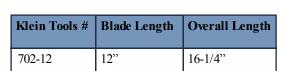




James on #	Description
32-24P	Skinning Knife & Leather Pouch Combo
32-24J	Skinning Knife
32-25	Leather Pouch

#### **Splicer Skinning Knife**

- Straight style blade is molded into and easy-grip polymer handle that remains pliable in subzero temperatures
- Blade is heat treated then ice tempered for a long-lasting edge and is 20-25% thicker than comparable models







# **High-Tension Hacksaw**

- Adjustable blade tension up to 30,000 psi for fast, precise cuts
- Soft-touch grips
- Alternative 45° degree mounting for flush cutting
- Front-mount for reciprocating saw blades

CALBERTENS PERMIT KLEIN TOOLS GERNELET

- Blade storage in handle
- Includes 12" x 24 TPI bi-metal hacksaw blade and 6" x 24 TPI bi-metal reciprocating saw blade



# Golden Tri-Cut Blade

- High-speed steel teeth fused to carbon-steel body
- Withstands greater saw tension for less blade flexing
- Fits 12" hacksaw blades
- Golden finish

#### **Universal Pruning Saw**

- Fast cutting 16" curved steel blade with 7 teeth per inch
- Adapts to all tools with universal heads
- Can be used as a hand saw by attaching handle accessory
- Scabbard is made of leather for safe storage

Hastings #	Description
A10016	Universal Handle
11000	Pruning Saw
A30007	Saw Scabbard



James on #	Description
SB-5U	16" Saw Blade, Teflon Coated w/Universal Adapter



#### **Conventional Saw Blade**

- Teflon coated
- Fits PS-3 and PH-11 pruner



James on #	Description
SB-13TE	13" Tri-Cut Saw Blade
SB-16TE	16" Tri-Cut Saw Blade
SB-13TEU	13" Tri-Cut Saw Blade with SB-UC Adapter
SB-16TEU	16" Tri-Cut Saw Blade with SB-UC Adapter
SBL-2	Leather Pole Saw Scabbard for 13" & 16" Saw Blades
24-03F	Long Reach Chainsaw Holder w/Locking Straps & Handle (Fits Greenlee Long Reach Chain Saw 32" x 5")
SB-UC	Saw Blade Adapter (Adapts Blade to Any Universal Hot- Stick)

#### FG Series Hollow Core Pole

- 1.25" Pole diameter
- .125" Wall thickness, hollow core
- Aluminum heavy duty ferrules with external leaf spring locking button
- Batch tested to 1,000KV per foot for five minutes

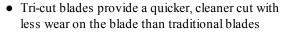


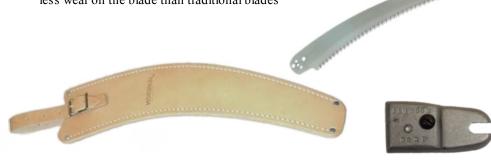


Klein Tools #	Description
70579	5-1/4" Handle Length, Sizes: 3/16", 7/32", 1/4", 5/16", 3/8"

#### Barracuda Tri-Cut Saw Blade and Accessories

• Hard-chrome plated with impulse hardened teeth







James on #

FG-6

FG-6F

FG-6M

FG-6BM

Description

**End Fittings** 

Rope

6' Extension Pole, M/F

6' Base Pole, F/F End Fittings & Base Cap

6' Head Pole, M Fitting

and Eye Bolt for Pruner

6' Top Pole, M Fitting and Blank End



#### Pole Saw Kit

- Center blade mount (PS-3FP)
- Mounting pin allows easy blade replacement without tools
- Includes pole adapter
- Blade is hard-chrome plated with impulse hardened teeth (Barracuda, SB-16TE)

James on #	Description
PS-3FPS2	Pole Saw Head, Adapter & 16" Tri-Cut Blade





- Two key positions (straight-out or right angle) for extra leverage
- Hex ends are square-cut for a secure full depth fit and maximum contact with the hex socket to prevent slippage and stripping of the socket



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Klein Tools #	Reading	Length
901-6	Outside	6'



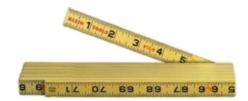
#### **Wood Folding Ruler**

- Strong, 6' long hardwood rules with clear abrasion resistant coating
- Black markings on yellow, with red stud center markings every 16"
- Measurements are marked on both sides and both edges, graduated to 1/16"
- Riveted lock joints are designed for long wear and maintained accuracy
- Engraved graduations on both sides

## Fiberglass Folding Ruler

- Constructed of tough nylon, reinforced with glass fibers for added durability, and resistance to weather, abrasion and most chemicals
- Positive locking joints and stainless steel spring hinges for added strength
- Measurements are marked on both sides and both edges, graduated to 1/16"
- Black markings on yellow, with red stud center markings every 16"
- Engraved graduations on both sides

Klein Tools #	Reading	Length
910-6	Inside	6'
911-6	Outside	6'







Klein Tools #	Length	Hook
93125	25'	Single
93225	25'	Double
93430	30'	Double

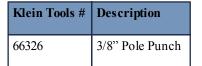
# **Pole Punch**

- Ergonomic handle with overstrike protection
- Thermoplastic handle withstands harsh conditions and is resistant to oil and grease
- Large strike plate transfers force directly into the hardware, reducing vibration
- Chamfered tip assists centering and reduces drag
- 18" overall length, 12" punch length

Klein Tools #	Length	Hook
93125	25'	Single
93225	25'	Double
93430	30'	Double

# Magnetic Tape Measure

- Nylon-coated hardened steel blade resists abrasion and wear for long life
- Built-in shock absorber to protect blade tip
- True zero feature for accurate inside and outside measuring
- Durable steel belt clip
- Multi-riveted end hook with bottom blade protector reinforces the blade tip and provides maximum pull out strength
- Rare earth magnetic single end hook
- First 11" has oversized, bold numbers
- Easy read fractional scale
- Horizontal and vertical standout for easy one person measurements
- Double sided rule for measurement while using against wall, ceiling or conduit
- Shock and impact resistant case













MADI#	Head Weight	Length
MLH-1	35 oz.	15.25"

#### Lineman Hammer, Milled Face

- Fiberglass, non-conductive handle
- Longer handle allows for two handed driving
- Small stale starter head
- Integrated "J" hook remover
- Large head for driving lag screws

## Lineman's Straight-Claw Hammer

- Heavy-duty, double-duty hammer drives lags and pulls big nails
- Special high-carbon steel head with solid, octagon-shaped driving end and thick, strong claw
- Straight grain hickory handle, lacquered

Klein Tools #	Head Weight	Length
832-32	32 oz.	15"





Klein Tools #	Head Weight	Length
809-36	36 oz.	14"

# Lineman's Double-Face Hammer

- Designed for pole line work
- Rugged and well balanced, with the weight to drive lag bolts
- Forged, tempered-steel head is only 3-3/4" long for use in tight areas
- Identical faces with 1-3/4" round crown driving surface and beveled edges

#### Straight-Claw Hammer-Heavy-Duty

- Durable plastic-alloy jacketing helps to protect neck from fraying and splintering if incorrectly struck or over-struck
- High-strength fiberglass shaft absorbs shock and keeps head tight
- Perforated neoprene grip bonded to handle
- Straight-claw design for easy nail pulling in tight quarters

Klein Tools #	Head Weight	Length
808-16	16 oz.	13"





Cementex #	Size
P9SCNE	9"

#### New England Style Lines man's Pliers

- Double-insulated lineman's pliers
- Features New England styled head for easier access to tight areas
- Cutting edges are induction hardened for extended life and high visibility
- Ergonomic comfort grip handles have slip guards





#### **Diagonal Pliers**

- Double-insulated diagonal cutting pliers
- Heavy-duty insulated pliers is designed for gripping and cutting thicker gauge wire
- Induction hardened cutting edges for long life and high visibility ergonomic comfort grip handles with slip grip

Cementex #	Size
P7D	7"







Klein Tools #	Overall	Jaw	Jaw
	Length	Length	Width
D213-9NE-CR-INS	9-5/8"	1-19/32"	1-5/16"

# NE-Type Insulated Side-Cutting Pliers-Connector Crimping

- Individually tested to exceed standards, 1,000 V-rated
- Crimping die behind hinge for superior leverage

## **NE-Type Insulated Side-Cutting Pliers**

- Individually tested to exceed standards, 1,000 V-rated
- High leverage design provides 46% greater cutting and gripping power
- Streamlined design with sure-gripping, cross-hatched knurled jaws

Klein Tools #	Overall Length		Jaw Width
D213-9NE-INS	9-5/8"	1-19/32"	1-5/16"





Klein	Overall	Jaw	Jaw
Tools #	Length	Length	Width
D2000- 9NE-INS	9-5/8"	1-19/32"	1-5/16"

# NE-Type 2000 Series Insulated Side-Cutting Pliers

- Individually tested to exceed standards, 1,000 V-rated
- Provides 46% greater cutting and gripping power
- Streamlined design with sure-gripping, cross-hatched knurled jaws
- Heavy-duty cutting knives
- Cuts ACSR, screws, nails and most hardened wire

# Insulated Crimping/Cutting Tool

- Individually tested to exceed standards, 1,000 V-rated
- Insulated crimping tool with tapered nose designed for working in confined spaces
- Crimping dies marked for insulated and non-insulated solderless terminals and connectors
- Accommodates wire from 10 to 22 AWG
- Wire cutter in nose

Klein Tools #	Description
1005-INS	9-3/4" Insulated Crimping/Cutting Tool







Klein Tools #	Description
1010	8-1/4" Wire Stripper



# Long-Nose Multi-Purpose Tool

- Easily cuts and strips wire
- Narrow, serrated pliers nose to pull, loop and bend wire
- Long, curved cutting blade
- Cutters and strippers are in front of the pivot for maximum ease-of-use in reaching into tight places
- Crimps insulated and non-insulated terminals and 7 to 8 mm ignition terminals
- Cleanly shears bolts
- Plastic covered cushioned handles
- Bolt sizes: 4-40, 5-40, 6-32, 8-32, 10-32, 10-24
- Strips and cuts 10 to 22 AWG

# Journeyman Crimping/Cutting Tool-Non-Insulated/Insulated Terminals

- Designed to crimp insulated and non-insulated 10 to 22 AWG solderless terminals and connectors
- Tapered nose design
- Contoured thumb area
- Specially hardened cutter
- Hot-riveted joint

Klein Tools #	Description
J1005	9-3/4" Crimping/Cutting Tool







Klein Tools #	Description
1005	9-3/4" Crimping/Cutting Tool

# Crimping/Cutting Tool-

#### Non-Insulated/Insulated Terminals

- Crimping die marked for insulated and non-insulated solderless terminals and connectors
- Tapered nose design
- Specially hardened wire cutter in nose
- Hot-riveted joint
- Crimps 10 to 22 AWG

# **Pump Pliers**

- Secure tongue and groove design for non-slip grip
- Wide range of versatile jaw positions
- Plastic-dipped handles

Klein Tools #	Overall Length	Max Jaw Cap
D502-6	6-1/2"	7/8"
D502-10	10"	1-3/4"





Klein Tools #		Jaw Length	Jaw Width
J2000-9NETP	9-1/2"	1-19/32"	1-1/4"

# NE-Type Journeyman 2000 Series Side-Cutting Pliers-Fish Tape Pulling

- Pulls 1/8" or 1/4" flat steel fish tape without damaging the tape
- Rivet is closer to the cutting edge for 46% greater cutting and gripping power
- Streamlined design with sure-gripping, cross-hatched knurled jaws
- Heavy-duty cutting knives
- Cuts ACSR, screws, nails and most hardened wire
- Dual material handles



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# NE-Type 2000 Series Side-Cutting Pliers-Lineman's Bolt-Thread Holding

- Hinge opening holds and cleans 5/8" pole line and hardware bolts or threaded rods
- Rivet is closer to the cutting edge for 46% greater cutting and gripping power
- Streamlined design with rounded nose and sure-gripping, cross-hatched knurled jaw
- Heavy-duty cutting knives
- Cuts ACSR, screws, nails and most hardened wire
- Plastic-dipped handles

Klein	Overall	Jaw	Jaw
Tools #	Length	Length	Width
D2000- 9NETH	9-3/8"	1-19/32"	1-1/4"





Klein Tools #	Overall Length	Jaw Length	Jaw Width
D2000- 9NE	9-3/8"	1-19/32"	1-1/4"
HD2000- 9NE	9-1/2"	1-19/32"	1-1/4"
J2000-9NE	9-1/2"	1-19/32"	1-1/4"

# NE-Type 2000 Series Side-Cutting Pliers-Heavy-Duty Cutting

- Rivet is closer to the cutting edge for 46% greater cutting and gripping power
- Streamlined design with sure-gripping, cross-hatched knurled jaws
- Cuts ACSR, screws, nails and most hardened wire
- Plastic-dipped handles (D2000-9NE)
- Heavy-duty, oversized plastic-dipped handles (HD2000-9NE)
- Dual material handles (J2000-9NE)

# NE-Type 2000 Series Side-Cutting Pliers-Connector Crimping

- Crimping die behind hinge for superior leverage crimping
- Rivet is closer to the cutting edge for 46% greater cutting and gripping power
- Streamlined design with sure-gripping, cross-hatched knurled jaws
- Heavy-duty cutting knives
- Cuts ACSR, screws, nails and most hardened wire
- Plastic-dipped handles (D2000-9NECR)
- Dual material handles (J2000-9NECR)

Klein Tools #	Overall Length	Jaw Length	Jaw Width
D2000- 9NECR	9-3/8"	1-19/32"	1-1/4"
J2000- 9NECR	9-1/2"	1-19/32"	1-1/4"





Klein	Overall	Jaw	Jaw Width
Tools #	Length	Length	
D213- 9NETH	9-3/8"	1-19/32"	1-1/4"

# NE-Type Side-Cutting Pliers-Lineman's Bolt-Thread Holding

- Hinge opening holds and cleans 5/8" pole line and hardware bolts or threaded rods
- Rivet is closer to the cutting edge for 46% greater cutting and gripping power
- Streamlined design with rounded nose and sure-gripping, cross-hatched knurled jaw
- Plastic-dipped handles



## **NE-Type Side-Cutting Pliers**

- Rivet is closer to the cutting edge for 46% greater cutting and gripping power
- Streamlined design with sure-gripping, cross-hatched knurled jaws
- Plastic-dipped handles (D213-9NE)
- Heavy-duty, oversized plastic-dipped handles (HD213-9NE)

Klein Tools #	Overall Length	Jaw Length	Jaw Width
D213- 9NE	9-3/8"	1-19/32"	1-1/4"
HD213- 9NE	9-1/2"	1-19/32"	1-1/4"







D213-9NE HD213-9NE



Klein Tools #	Description
65508	20-Piece 3/8" Drive Socket Wrench Set

#### 20-Piece 3/8" Drive Socket Wrench Set

- Includes:
  - ☐ Four 6-Point sockets: 3/8", 7/16", 1/2" and 9/16"
  - ☐ Five 12-Point sockets: 5/8", 11/16", 3/4", 13/16" and 7/8"
  - ☐ Eight 6-Point deep sockets: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" and 13/16"
  - ☐ Two extensions: 1-3/4" and 3" long
  - ☐ One ratchet
  - ☐ Hinged metal box

# 8-Piece Open End Wrench Set

- Double-insulated open end wrench set
- Ideal for use around energized bus bars, back-up batteries and in power systems
- Includes:
  - ☐ Black tool pouch
  - □ 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" and 13/16"

Cementex #	Description
IOEWS-8	8-Piece Open End Wrench Set







Cementex #	Description
IGRBW S-11	11-Piece, Ratcheting Box Wrench Set

#### 11-Piece Ratcheting Box Wrench Set

- Double-insulated geared box wrench set
- Set contains eleven 5" long ratcheting geared box end wrenches ranging in size from 3/8" to 1"
- High-visibility orange handle with cushion grip
- Includes:
  - ☐ Black tool pouch
  - □ 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"



## 14-Piece Long Arm Hex Wrench Set

- Double-insulated hex wrenches
- Made of high-torque steel and feature an insulated high-visibility orange handle with cushion grip
- Includes:
  - ☐ Black tool pouch
  - □ 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2"

Cementex #	Description
HWS-14L	14-Piece Open End Wrench Set







Klein Tools #	Description
65514	8-Piece 1/2" Drive, Deep Socket Set Plus Metal Box

# 8-Piece 1/2" Drive Deep Socket Wrench Set

- Eight 12-Point deep sockets: 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8" and 15/16"
- Hinged metal box

Individual items are also available for all CEMENTEX KITS shown. All tools feature two-coat orange over yellow double insulation for added safety verification and are 1,000V-Rated

#### **T-Handle Hex Wrenches**

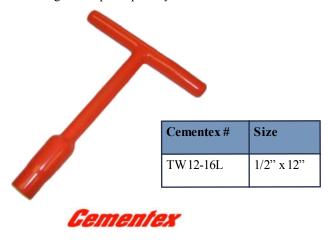
- Double-insulated hex wrench
- Made of high-torque steel and features a six inch insulated high-visibility orange handle with cushion grip



Cementex #	Size
IHK-316	3/16" X 6"
IHK-140	1/4" X 6"
IHK-516	5/16" X 6"
IHK-380	3/8" X 6"
IHK-120	1/2" X 6"
IHK-716	7/16" X 6"
IHK-916	9/16" X 6"

#### **T-Handle Socket Wrench**

- For fast and easy installation/extraction of bolted lugs and electrical connections
- Provides convenience of a nut driver with much higher torque capability





## 3/8" Square Drive Socket Sets

- Double-insulated
- 12-Point socket
- Individual IS38 standard and IS38L deep wall sockets also available
- Includes:
  - ☐ Black tool pouch
  - □ 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", and 13/16" 12-Point deep wall sockets
  - □ 3" and 6" Extension bars
  - □ 3/8" Square drive lever control reversible ratchet

Cementex #	Description
ISS38-11L	Deep Wall Socket Set
ISS38-11	Standard Socket Set







Klein Tools #	Description
NRHD	Distribution Impact Socket
NRHDA	Replacement Socket Adapter
NRHD-3	3-in-1 Deep Impact Socket with Adapter

## **Distribution Impact Socket**

- Includes 3/4", 13/16", 1" and 1-1/8" square sizes (3/4" also works on 13/16")
- 7/16" Hex quick change adapter included
- Improved ball detent on socket adapter
- 13/16" Diameter, 6" long hollow shaft allows use on long threaded bolts

## Adjustable Wrenches-Extra Capacity

- Extra capacity allows use of a similar size wrench to handle bigger jobs, especially in confined spaces
- Forged heat-treated alloy steel for maximum strength and lightweight
- High polish chrome finish

Klein Tools #	Length	Capacity	Handle
507-8	8-1/4"	1-1/8"	Plain
507-10	10-1/4"	1-5/16"	Plain
507-12	12-1/4"	1-1/2"	Plain
D507-8	8-3/8"	1-1/8"	Dipped
D507-10	10-3/8"	1-5/16"	Dipped
D507-12	12-3/8"	1-1/2"	Dipped



Klein Tools #	Description
68222	7-Piece Set





## 7-Piece Ratcheting Box Wrench Set

- Set of the ratcheting box wrenches in vinyl roll-up pouch
- 12-Point
- Includes:
  - □ 1/4" x 5/16" (68200)
  - □ 3/8" x 7/16" (68201)
  - □ 1/2" x 9/16" (68202)
  - □ 5/8" x 11/16" (68203)
  - □ 5/8" x 3/4" (68204)
  - □ 11/16" x 3/4" (68205)
  - □ 13/16" x 7/8" (68206)
- All items also available individually



#### **Ratcheting Box Wrench**

- Both ends are offset 25°
- Different size at each end
- Laminated construction
- Reverse ratcheting action by turning wrench over
- Chrome-plated finish
- 12-Point

Klein Tools #	Size	Length
68202	1/2" x 9/16"	6-7/8"
68203	5/8" x 11/16"	8-1/4"
68204	5/8" x 3/4"	8-1/4"







Klein Tools #	Description
KT223X4-INS	9" Lineman's Insulating 4-in-1 Box Wrench

#### Lineman's Insulating 4-in-1 Box Wrench

- "See-through" insulating handle confirms metal ends are not connected
- 12-Point sockets
- Reverse ratcheting action by reversing switches on each end of the wrench
- Textured grooves in handle prevent slipping
- Chrome-plated finish resists corrosion

# Ratcheting Lineman's Wrench

- Reversible, ratcheting with bolt-through design that allows bolts to pass through the socket
- Combination square socket for most common utility hardware, 3/4" & 1" x 1-1/8" square nut size
- Bright yellow socket for easy visibility
- Works on most common utility pole hardware such as lag bolts, "C" clamps and suspension bolts, 1/2", 5/8", 3/4" bolt size

Klein Tools #	Description
KT151T	13" Ratcheting Lineman's Wrench





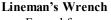




Klein Tools #	Description
KT155T	9" Lineman's Wrench
KT155HD	12" Heavy-Duty Design

# 5-in-1 Lineman's Wrench

- Reversible, ratcheting with bolt-through design that allows bolts to pass through the socket
- Combination square socket for most common utility hardware, 3/4" & 1" x 1-1/8" square nut size
- Bright yellow socket for easy visibility
- Works on most common utility pole hardware such as lag bolts, "C" clamps and suspension bolts, 1/2", 5/8", 3/4" bolt size
- Offers two popular wrench sizes: 9/16" and 3/4"



- Forged from special bar steel and heat-treated for long life
- Each end has two different size openings
- Hole is provided at larger end for turning-in standard pole steps
- For use on heavy three-bolt guy clamps on which clearance is limited
- For 5/8" hardware, large end has 29/32" and 1-3/32" openings, small end has 5/8" and 13/16" openings

Klein Tools #	Description
3146	13" Lineman's Wrench









Lowell #	Description
53	20" Handle, for 1-5/16", 1-1/2" Sq Sockets and 1-1/2" Hex

## Lineman's Double Square Transmission Wrench

- Cast iron
- Two square sizes in one permanent socket; 1-5/16" and 1-1/2"
- Combination socket also turns 1-1/2" hex nuts
- Reversing control in head
- Enclosed ratchet mechanism
- Bolt-Thru design

# Lineman's Triple Square Double End Wrench

- Combine flexibility and reliability
- Ratcheting socket at one end and a ratcheting box at the other
- Socket is made of cast-iron
- Rugged, fabricated steel handles
- Bolt-thru design
- Control lever in head

Lowell #	Description
103TDE	12" Handle, for 3/4", 1" and 1-1/8" Triple Square with 9/16" & 3/4" Hex on Opposite End
101TDE	9" Handle, for 3/4", 1" and 1-1/8" Triple Square with 9/16" & 3/4" Hex on Opposite End





Lowell #	Description
151T	12" Handle, for 3/4", 1" and 1-1/8" Sq.
150T	10" Handle, for 3/4", 1" and 1-1/8" Sq

## Lineman's Triple Square Wrench

- Fabricated steel handle
- Lineman's socket wrench
- Fluorescent orange, cast iron sockets
- Three square sizes in one permanent socket: 3/4", 1", 1-1/8"
- Reversing control on side of head
- Semi-Enclosed ratchet mechanism
- Bolt-thru design
- Fits in most common holsters

# Overhead Lineman's Wrench

- 3/4", 1" and 1-1/8" Square sockets on one end with two-sided 12-point 3/4" and 9/16" ratcheting box wrench on the other end
- Open center for bolt to pass through
- Large reversing lever



Speed Systems #	Description
RBW-OHW	Ratcheting Box Wrench for Overhead Hardware Applications

Speed Systems #	Description
RBW-12916	1/2" x 9/16"
RBW-91634	9/16" x 3/4"
RBW-5834	5/8" x 3/4"
RBW-3478	3/4" x 7/8"



#### Quad "Dogbone" Ratcheting Box Wrench

- 12-Point ratcheting box wrench
- Thick-walled plastic ergonomic handle with center isolation hole
- Rated 1,000V
- Other sizes and configurations not shown available



# RAUCKIMAN. **Utility Products**

The BugWrench handle is formulated of high strength and high dielectric polymer. All BugWrench tools equipped with the high dielectric handle include the following features: A see-through port in the center of the handle to confirm that the two ends are not electrically connected tool metal-to-metal electrical isolation superior to others pull-apart strength greater than others indicator ribs for improved safety (1,000V-Rated) high visibility yellow color. The unique patent-pending design and manufacturing process ensures maximum metal-to-metal separation, with unmatched mechanical strength. A complete line of BugWrenches are available. Call for options and sizes.



Rauckman #	Description
BW-251	3/8" Penta Socket Ratchet, 5/16" Allen Hex
BW-252	3/8" Penta Socket Ratchet, 3/8" Allen Hex

## Penta Socket BugWrench

- For working on pad-mount transformers and secondary pedestals
- Penta sockets combined with hex (Allen) wrenches
- High-visibility yellow

**BugWrench** 

- Heavy-duty forged steel head
- Ratchet penta fitting with built-in 3/8" hex socket for "Twist-Off" equipment locks
- 2" Working length of hex wrenches for transformer bars with covers

## 4-in-1 Bug Wrench

- High visibility yellow handle (insulated versions)
- Heavy-duty forged head construction
- 1/2" and 9/16" on one end and 5/8" and 3/4" on the other
- Most common sizes on T&D apparatus and connectors

Rauckman #	Description
BW-244	Insulated 4-in-1 HD Ratchet
BW-044	All Metal 4-in-1 HD Ratchet



• For installing or performing maintenance

• 3/4" and 9/16" Combination ratchet wrench

on overhead transformers

• Heavy-duty forged fittings





Speed Systems #

Rauckman #	Description
BW-223HD	3/4" x 9/16" Heavy
	Duty BugWrench

uckman #	Description
W-223HD	3/4" x 9/16" Heavy
	Duty BugWrench

**Description** 

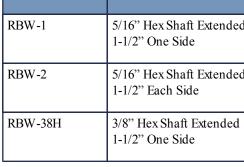
Rauckman #	Description
BW-223HD	3/4" x 9/16" Heavy Duty Bug Wrench

led	
ded	



## **Ratcheting Box Wrench** with Hex Shaft

- For use on secondary set screw bar connectors
- Thick-walled plastic ergonomic handle
- Rated 1,000V









#### **Tri-Penta Wrench**

- 3/8" Screwdriver for opening the primary door on 3-phase transformers
- Speed Sleeve spins freely to open transformers and switch gears two times faster
- Built-in design for lifting hand hole lids
- Heat-treated alloy steel
- Penta wrench designed for opening all transformers and switch gears
- Now with removable socket for use with different sizes

Madi #	Description
PSD-1	Penta Driver Penta Socket Driver

Madi #	Description
TP-1	Tri-Penta
	Wrench

#### Penta Driver Penta Socket Driver

- Includes removable drill adapter
- Speed Sleeve spins freely to open transformers and switch gears two times faster



Cementex #	Drive
IR38-LC	3/8" Drive
IR12-LC	1/2" Drive
IB38-3	3" Extension for 3/8" Drive
IB38-6	6" Extension for 3/8" Drive
IB38-12	12" Extension for 3/8" Drive

# **Square Drive Lever Control Ratchet**

- Double-insulated ratchet wrench is reversible
- Has lever control and features an audible click and feel impulse
- Measures 7-1/4" in length and is high-visibility orange in color









Commerc	cial/Industrial

Rauckman #	Description
M-001	Amber, Residential for Single-Phase Meter
M-002A	Orange, Commercial/Industrial for Ply-Phase Meters
M-009	Meter Puller Storage Bag

Paslode #	Description
ST-315i	Cordless Impulse Stapler

# **MeterPuller**

- Works with all known meters and sockets
- Release levers
- Solid hand barrier
- High strength handle
- Chrome plated steel engagement clips
- Vent holes to divert gasses
- Optional storage bag available



### Impulse Stapler

- Cordless, internal gas operated staple gun
- Paslode Frame Fuel
- Fully charged between trigger pulls in only seconds
- No set-up required





M&A Products#	Description
SS-2000	Holds 12 Staples

Description

Wiremike with Ruler

#### Stapul-Stik

- Slots are 3/4"L x 1/8"W
- Overall dimensions: 7/8" x 3/4" x 14-1/4"
- Diameter of the hole to hold the stick is 1/2"



#### RK194-2 Wiremike

- For measuring ACSR, stranded and solid conductors, IPS tubing, rigid and thinwall conduit, and inside and outside dimensions of tubing and pipe sizes
- Stainless steel construction
- Ruler included



Madi #	Description
DBWB-1	DogBone Wire Brush
FRWB-1	FlatRound Wire Brush

Large Wire Brush

Replacement

Burndy#

RK194-2

LWB-1

#### DogBone and FlatRound Wire Brushes

- Integrated replaceable wire brushes for cleaning conductors to make better connections
- Brushes up to 1590 MCM conductor-FlatRound has a flat profile for hard to brush places
- Use one end for aluminum and the other one for copper
- Durable, lightweight and convenient to carry on climbing belts
- Non-conductive and brushes are not exposed
- Built-in snap ring
- Wire brushes are easily replaceable

#### Ratcheting Socket/Ratcheting Penta Wrench

- Thick walled plastic ergonomic handle with center isolation hole
- Rated 1,000V
- Other sizes and configurations not shown available

Speed Systems #	Description
RBW-34SRP	3/4" Socket with Penta Socket (Opposed)





Speed Systems	Description
PHS-2	1/2" Drive, 3/4" Hex Socket

#### Penta/Hex Security Wrench Socket

- Penta/Hex combination sockets
- Penta and hex socket combined into one socket with common drive
- Reversible when used with socket extension

# Ratcheting Box Wrench with Hex Shaft, Fixed Penta

- For use on power transformers
- Thick-walled plastic ergonomic handle with center isolation hole
- Rated 1,000V
- Penta on handle

Speed Systems #	Description
RBW-1P	5/16" Hex Shaft Extended 1-1/2" One Side
RBW-2P	5/16" Hex Shaft Extended 1-1/2" Each Side
RBW-3P	5/16" Hex Shaft on One Side, 3/8" Hex Shaft on Other Side, Both 1-1/2" Long





# Fixed Length Shotgun Stick

- Full open side hook offers unobstructed vision of the hook
- Operating rod guide eliminates trapped dirt and moisture
- Inside area of rod guide can be easily cleaned
- Hook release trigger is shielded
- Requires deliberate action to open hook
- All shotgun sticks are tested per OSHA and ASTM F-711
- For universal fitting on base end add suffix -U to the Mfg #, for bottom break hook add suffix -X



Hastings #	Description
8104	4'6", External Operating Rod
8106	6'6", External Operating Rod
8108	8'6", External Operating Rod
8110	10'6", External Operating Rod
8112	12'6", External Operating Rod
8110-U	10'6", External Operating Rod, Universal Fitting
8204	4'6", Internal Operating Rod
8206	6'6", Internal Operating Rod
8208	8', Internal Operating Rod
8210	10'6", Internal Operating Rod
8212	12'6", Internal Operating Rod
8208-U	8', Internal Operating Rod, Universal Fitting
8208-UX	8', Internal Operating Rod, Universal Fitting, Bottom Break Hook

Chance #	Overall Length
C4030291	1-1/4" x 4'9"
C4030291A	1-1/4" x 4'9"
C4030292	1-1/4" x 6'8"
C4030292A	1-1/4" x 6'8"
C4030293	1-1/4" x 8'7"
C4030293A	1-1/4" x 8'7"
C4030294	1-1/4" x 10'7"
C4030295	1-1/4" x 12"7"

#### Grip-All Clampstick, Single-Piece Style

- Puts an easy-to-control "finger" on an insulated pole
- For installing hot-line and grounding clamps
- "A" Suffix = metal universal fitting on handle end





81-814



Hastings #	Operating Length	Retracted Length
8158	5'1", 6'6", 8'	5'1"
8158-U	5'1", 6'6", 8', Universal Fitting	5'1"
8158-80	6'6", 8'	5'1"
8158-98	8'2"	5'1"
81611	6'6", 8', 9'6", 11'	6-1/2'
81611-97	8', 9'6", 11'	6-1/2'
81-811	8', 9'6", 11', 12'6"	8'
81-814	8', 10', 12', 14'	8'
81-814U	8', 10', 12', 14', Universal Fitting	8'
81-1018	9'10", 11'9", 13'6", 15'6", 17'6"	9'10''

# Folding Shotgun Stick with External Operating Rod

• Hook release trigger is shielded and requires deliberate action to open the hook

• For universal fitting on base end- add

• Hanger hook is molded in the head, eliminating

dirt and moisture

suffix -U to the Mfg #

metal parts

Hastings #	Description
13412	6'6" Folding Shotgun Stick
13413	8'6" Folding Shotgun Stick
13413-U	8'6" Folding Shotgun Stick with Universal Fitting
13414	10'6" Folding Shotgun Stick
13415	12'6" Folding Shotgun Stick

### Grip-All Clampstick, Hinged-Style

- Ideal for limited tool-storage space
- Puts an easy-to-control "finger" on an insulated pole
- For installing hot-line and grounding clamps
- "A" Suffix = metal universal fitting on handle end



Chance #	Overall Length
C4030297	1-1/4" x 8'8"
C4030297A	1-1/4" x 8'8"
C4030298	1-1/4" x 10'6"
C4030298A	1-1/4" x 10'6"





### Grip-All Clampstick, Telescoping

- Rotating coupler and engineered positive-lock button with safety stop
- Close fit keeps out dirt and moisture
- Foam-center Epoxiglas insulated pole top section
- All controls can be accessed while wearing gloves
- Locks at each length
- Retracted length: 8' 2-3/4"

Chance #	Extended Length
C4031036	8'6-3/4", 10'4-1/2", 12'-1/2", 14'



Hastings #	Operating Length	Retracted	Base Dia
HV-212	12'7"	58"	1.45"
HV-216	16'9"	60"	1.61"
HV-220	21'	62"	1.75"
HV-225	25'6"	64"	1.91"
HV-230	30'	66"	2.07"
HV-235	35'	68"	2.22"
HV-240	39'6"	69"	2.38"



#### Tel-O-Pole II Hot Stick

- "No Twist" stick has a unique triangular design
- Fluorescent green tip section is highly visible and has a foam core
- Sections can be removed or added to make the stick the preferred length
- Ergonomic design gives the operator a better gripping surface for better control

### Tel-O-Pole Hot Stick with Tip Lock Feature

- Tip retracts and locks into next larger section
- Tip diameter is 7/8" (extended) or 1-3/32" (retracted)



Hastings #	Operating Length	Retracted	Base Dia
ST-225	17' , 25.5'	60"	2-3/16"
ST-230	17', 21.5', 26', 30'	61-5/8"	2-3/8"
ST-235	17', 21.5', 26', 30', 35'	63-3/8"	2-11/16"
ST-240	22', 26', 30', 35', 40'	65-3/5"	2-7/8"



Hastings #	<b>Operating Lengths</b>	Retracted	Base Dia
S-212	12'	44"	1-5/8"
S-216	12'4", 16'	56"	1-5/8"
S-220	17', 20'	58"	1-7/8"
S-225	17', 21', 25.5'	60"	2-3/16"
S-230	17', 21.5', 26', 30'	61-5/8"	2-3/8"
S-235	17', 21.5', 26', 30', 35'	63-3/8"	2-11/16"
S-240	22', 26', 30', 35', 40'	65-3/8"	2-7/8"

#### Standard Tel-O-Pole Hot Stick

- Can be locked at each length listed
- Tip diameter is 7/8"
- Tip section will not interlock



#### **Telescoping Disconnect Tool**

- Perform routine jobs from ground level
- Universal end fitting on insulated top section
- Heavy-duty, spring-loaded plastic buttons keep extended tool sections locked in place
- Standard duty sticks retract to approximately 5' to 6', compact 2' to 3', and heavy-duty 5'



<b>Utility Solutions #</b>	Operating Lengths
USTS-008	8'
USTS-010	10'
USTS-016	16', 12'
USTS-025	26', 21', 17'
USTS-030	30', 26', 21', 17'
USTS-035	35', 30', 26', 21', 17'
USTS-040	40', 35', 30', 26', 21', 17'
USTS-045	45', 40', 35', 30', 26'
USTS-050	50', 45', 40', 35', 30'

Chance #	Tip Diameter	Extended Length	Base Diameter	# of Sections
C4031017	1-1/16" Standard	8'-12'	1-1/2"	3
C403-1022	1-1/16" Standard	22'-26'-30-1/2'-35'	2-1/2"	6
T403-3349	1-1/16" Standard	22'-28'-34'-40'	2-1/2"	8
T403-2205	1-1/16" Compact	7'	1-7/8"	5
T403-3240	1-1/16" Compact	10'	1-11/16"	4
C4031601	1-1/4" Heavy-Duty	16-1/2'-20-1/2'-25'	2-1/4"	6
C403-1602	1-1/4" Heavy-Duty	17-1/2'-21-1/2'-25-1/2'-30'	2-1/2"	7

### **BLUE STRIPE Teles copic Hot Stick**

- Round telescopic hot stick with large, clear print with BLUE STRIPE patented alignment feature
- Epoxy resin and unique non-woven fiberglass construction creates smoother surface that resists water absorption
- CNC Machined spline end and buttons will hold up to the right rigors of daily use
- Tip lock feature that allows operator to lock last two end sections for maximum strength and rigidity
- Exceeds ASTMF 711 & F1826







### **Tel-O-Pole Measuring Stick**

- Used to measure overhead lines, telephone, cable-TV, highway clearances and structures
- Eye-level reading, no calculations required
- Positive locking buttons, spring-loaded, easy to extend
- Standardized parts for quick and easy repair and replacement

Hastings #	Operating Length	Retracted Base Dia.
E-25	25'	65-3/4"
E-30	30'	65-3/4"
E-35	35'	65-3/4"
E-40	40'	65-3/4"
E-50	50'	69-3/16"



### Combination Tel-O-Pole Hot Stick and Measuring Stick

- Open and close switches, disconnects, line fuses, cut outs, as well as measure elevated heights
- Markings are printed in large easy to read numbers
- Eye-level reading, no calculations required

Hastings #	Operating Length	Retracted	Base Dia.
EV-25	25'6''	64"	1.91"
EV-30	30'	66"	2.07"
EV-35	35'	68"	2.22"
EV-40	39'6''	69"	2.38"





Chance #	Description
C4031822	6' Long IMPACT Elbow- Puller Tool
C4030704	15kV Plastic Coated Grippers
C4030613	25kV Plastic Coated Grippers

#### **IMPACT Elbow-Puller Tools**

- Uses slide-hammer mechanism to disengage and replace elbows
- Tool and grippers help operator control elbow and stiff underground cable lead
- 5 lb. Slide hammer is plastisol coated and flared at both ends
- Both front and rear handgrip areas are coated with Griptread

# Strap Hoist Isolating Link

- Provides extra protection when used with strap hoists on primary voltages
- Fiberglass link helps to overcome the loss of dielectric properties when the web straps become contaminated through field use
- Load limit 4,000 lbs.

Hastings #	Description
3413	6", Std Safety Hook
3414-1	12", Hot Stick Operated Safety Latch





### Strap Hoist Isolating Links

- Strap hoist isolating links are designed to provide extra protection when used with strap hoists on primary voltages
- Isolating links can be used with most strap hoists
- Standard swivel eye one end and safety hook
- Load limit-4,000 lbs.
- Lightweight



Hastings #	Length of Fiberglass	Weight
3413	6"	2.3 lbs.
3414	12"	2.5 lbs.

Hastings #	Description
7546	Super "U" Arm w/Large Hanger Loop, Two Wire Holders, 20.4 lbs.
7547	Standard Super "U" Arm, One Wire Holder, 15.4 lbs.

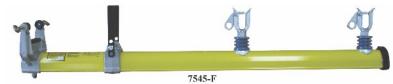


#### Super "U" Arm Extensions

- Super "U" Arm is designed with a profile "U" shape for greater strength and durability
- All arms include insulated conductor holders to insure dielectric integrity
- Arms are rated for 34.5kV phase-to-phase work applications
- Standard Super "U" accepts 1-1/16" OD or up to 800 MCM conductor
- Large capacity Super "U" holder has an opening of 2-5/8"
- All Super "U" Arms and Super "U" Conductor Supports have a load limit of 200 lbs. per wire holder
- Interchangeable hanger loop kits are available for the different sizes of cross arms on your system

# Fiberglass Extension Arms for Composite or Wood Cross Arms

- Can be used with both Hastings round and Super "U" Extension Arms
- Fits composite or wood cross arms up to 4-1/2" x 6-3/4"
- Rubber grippers won't damage composite cross arms
- Cross arm loop is powder coated to prevent damage to composite cross arm
- Casting trim on end fitting provides protection on bottom side of composite cross arm



Hastings #	Description	Weight
7545	Standard Super "U" Arm with Two Conductor Holders	18.8 lbs.
7547	Standard Super "U" Arm with One Conductor Holder	15.4 lbs.







Hastings #	Description	Weight
5001	5', One Wire Holder & Insulator	11.5 lbs.
5007	6', Two Wire Holders & Insulators	15.5 lbs.

### Fiberglass Extension Arms

- Designed for use as a temporary aid in replacing existing conductors and insulators, or as an aid for moving out conductors to obtain working clearance in congested areas
- Eye bolts are silicon bronze to prevent seizing
- Adjustable
- Load limit 150 lbs. per conductor holder
- Ratings 15kV without insulator and 34.5kV with insulator



Toll Free: 800-796-9027 Fax: 540-438-9502

# **Epoxiglas Extension Arms**

- Designed for use on voltages up to and including 15kV
- For use when redactor reconductoring or insulator replacement is necessary
- Two wireholders
- Maximum crossarm size: 3-3/4" x 4-3/4"
- Maximum vertical loading: 150 lb.

Chance #	Arm Dia x Length
H480072	2-1/2" x 6'







Hastings #	Description	Weight
5039	34" Overall Length, One Conductor Holder & Insulator	13 lbs.
5041	48-1/2", Two Wire Holders & Insulators	16 lbs.

### Pole-Mounted Support Arm with Ratchet and Nylon Strap

- Safety ratchet binder and nylon strap eliminates hazards of chains and chain tighteners when being used in primary voltage areas
- Installation and removal of arms is quick and easy
- Ratchet binder has extra wide handle for easy operation when wearing rubber gloves
- 2" wide nylon strap is 44" long to accommodate most structures

# Pole-Mounted Super "U" Conductor Support Arm with Ratchet and Nylon Strap

- Designed for replacing conductors and insulators and maintenance of line voltages up to and including 34.5kV phase to phase
- Rated with 200 lb. working load per conductor holder
- Includes insulated conductor holders for dielectric integrity

Hastings #	Description	Weight
5047	49-7/8", Two Wire Holders	18 lbs.





Chance #	Description
T4001939	48" Two Conductor Supports

### Strap-Style Temporary Conductor Support

• Epoxiglas pole 2-1/2" diameter



#### Strap-Type Transformer Gin

- Strap-type-ratchet-action mounting mechanism
- Wide handle opening on rapid-action ratchet
- 2,000 lb. Maximum ratings, including load and fall-line pull

Chance #	Description
T4001938	5" Extended-Base Strap Gin





Chance #	Description
C4000315	5" Extended Base Chain Gin

## Chain Binder Type Transformer Gin

- Standard base unit is for mounting on clear pole sections
- Wheel tightened and 36" chain are part of each unit
- 2,000 lb. Maximum ratings, including hand pull force
- 26" Pole length

#### **Loadbuster Tool with Case**

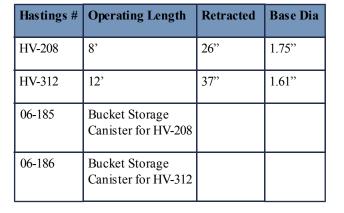
- Lightweight and portable
- Interrupts with no external arc
- Simplified switching procedure
- Operation counter feature helps determine maintenance needs

S&C#	Description
5300R3/5381	14.4/25 kV nominal, 27 kV max.
5400R3/5381	25/34.5 kV nominal, 38 kV max.



# Tel-O-Pole Bucket Stick

- Ideal for quick access for linemen working from a bucket truck
- Stick collapses below lip of bucket
- Light-weight bucket storage canister available







Chance #	Description
C4060181	5' Conductor Cover with 4' Epoxiglas Handle, 25kV
P4060184	5' Conductor Cover w/o Adapter or Handle, 25kV
C4060181GA	5' Conductor Cover with Grip-All Adapter, 25kV
C4060514GA	5' Conductor Cover with Grip-All Adapter, 36kV
C4060182	21" Long, 8-1/2" Wide, 6" High Insulator Cover with Grip-All Adapter, 25kV
C4060182L	21" Long, 8-1/2" Wide, 9" High Insulator Cover with Grip-All Adapter, 25kV



- Conductor and insulator units mate together to cover pin-type or post-type insulator construction
- Can also be used with deadened cover
- Covers will couple with major brands of rubber line hose and insulator covers of 25kV class
- High-density bright orange polyethylene
- For use with Grip-All adapter for hot stick application or without adapter for rubber glove application





# CHANCE



Chance #	Diameter	Length
M49376	9"	72"
C4060000	12"	72"

#### **Pole Covers**

- Meets Class 4 requirements
- High-dielectric linear polyethylene covers will not flash flame
- Some softening without deformation at approximately 170°F, and will resist brittleness at -50°F
- Ribbed to reduce cover contact with pole
- Rope handles help spread covers and snap around pole

### **Arc Snuffer Removal Tool**

- Specifically for use in Grip-All clampsticks
- Does not de-energize URD bushings
- Designed to ensure adequate electrical clearances
- Integral ring on each tool retracts into clampstick
- Works like bolt extractor

Chance #	Description
C4032037	Removal Tool
403-2036	Replacement Tool





Salisbury#	Description
24401	6' Rescue Hook
24403	8' Rescue Hook

# **Insulated Rescue Stick**

- Used to withdraw an injured worker out of a hazardous area
- Foam filled, fiberglass reinforced handle
- Coated heat treated body hook with an 18" opening



#### **Extension Arm Accessories**

- Epoxy insulator can be added to existing auxiliary arm wireholder to upgrade for 34.5kV
- Wireholder has counterbalanced latch which closes automatically behind the conductor to hold in place
- Complete with 2.5" pole clamp

Chance #	Description
4805-7	Epoxy Insulator, 7/16" Threads
4805-17	1" Fork-Type Wireholder, No Insulator







Hastings #	Description	Weight
12666	Conductor Holder	11 lbs.

### **Super Duty Conductor Holder**

- For attachment to mast or jib adapters
- Accepts 2" diameter conductors
- Load limit 500 lbs.

# Hot Stick for Huskie and Greenlee In-Line Battery Tools

- Battery tool installs quickly and easily on stick
- 6' and 8' Lengths
- Simply push lever to activate tool, pull to release
- Weights shown below are for the stick only and do not include the battery tool
- Battery tools sold separately

Hastings #	Description	Weight
1256-Н	6' Hot Stick for Huskie Tool	4.3 lbs.
1258-Н	8' Hot Stick for Huskie Tool	5.0 lbs.
1256-G	6' Hot Stick for Greenlee Tool	4.3 lbs.
1258-G	8' Hot Stick for Greenlee Tool	5.0 lbs.





Hastings #	Description
10-178	"V" Brush
10-179	Ten Replacem ent Brushes

# Conductor Cleaning "V" Brush

- Stainless steel bristles to allow the cleanest connection possible
- Can be used for all conductor cleaning requirements
- Can be used with shotgun sticks

# Conductor Cleaning "U" Brush

- Stainless steel bristles to allow the cleanest connection possible
- "U" Type brushes for tight clearances and easy storage

Hastings #	Description
10-175	Standard "U" Brush, 500 MCM
10-184	Compact "U" Brush, 500 MCM









Hastings #	Description
10-019	Tree Trimmer

#### **Universal Tree Pruner**

- Drop forged steel double cutting action blades
- Two pulley rope strings triple the power for cutting limbs up to 1-1/2" diameter
- Complete unit mounted on 12" fiberglass shaft with universal adapter and 25' polypropylene rope



#### **Photo-Electric Control Tester**

- For photo-electric switches and lamps
- Completely eliminates all direct and reflected light
- Designed for use on twist lock type controls up to 4" diameter
- Use with Tel-O-Pole Hot Sticks for test controls and lamps from ground
- Adaptable to all hot sticks equipped with universal type heads

Hastings #	Description
UH-016	4" x 4-1/4"



# **Universal Lamp Changer Head**

Hastings #	Description
151-ACA	For 100-200W
152-AC	For 300-500W
161-AC	For 175W Mercury



### Universal Extra Large Adjustable Fuse Puller

- Fits fuses 1-1/2" to 3-5/8" diameter
- Jaws are plastic coated

Hastings #	Description
5455-93	Universal XL Fuse Puller



#### Static Discharge Stick

- Designed to remove the static charge after de-energizing
- Includes copper "U" hook, 3'6" closed cell foam filled tubular fiberglass stick and 6' of copper grounding cable

Salisbury#	Description
20817	3'8" OAL Static Discharge Stick









Salisbury#	Length	Diameter	Class
2496	6'	9"	4
2466	6'	12"	4

#### Air Gap Pole Guard

- Installed before setting new poles to guard against accidental line contact
- Made from orange, Type I ABS, cold weather, high impact thermoplastic
- Drilled rope handles
- ASTM Class 4



#### Versa Guards

 Designed so that two guards can be coupled together to cover most 13kV single and double arm, pin and post constructions, 3.92'

Salisbury#	Description
2389	ABS/PVC 4' Stick Type III Class 4, Grade 1



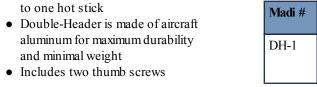


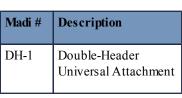
 Double-Header Universal Attachment
 Double-header allows you to attach two different universal tool accessories

Madi #	Description
DV-1	DeViner Vine Removal Utility Tool

DeViner The Vi	ine Removal	<b>Utility Tool</b>
----------------	-------------	---------------------

- Two-prong angled tapered designed for quick vine removal in tight spaces
- Fiberglass reinforced nylon for lighter weight and less fatigue
- Made of fiberglass reinforced nylon for non-conductive material
- 300 pound hanging and compression proof load
- Works with all universal tools
- Aircraft aluminum (6063) base for strong, secure fit







UTILITY SOLUTIONS Lineman driven. Field proven."	
	USJJ-004
8	

<b>Utility Solutions #</b>	Volts/Amps	Head
USBS-15-1-PS	15kV/300A	Floating
USBS-15-2-PS	15kV/300A	Duckbill
USBS-27-1-PS	27kV/300A	Floating
USBS272PS	27kV/300A	Duckbill
USBS-46-1-PS	46kV/200A	Floating
USBS-46-2-PS	46kV/200A	Duckbill

<b>Utility Solutions #</b>	Description
USJJ-001	15kV Standard
USJJ-002	27kV Standard
USJJ-004	15kV Loadbreak Cutout

# **Jack Jumper Cutout Bypass Tool**

- Safe and quick method to bypass an overhead cutout without bulky jumper cables
- Tool is indispensable for fuse coordination tasks
- Installation and removal of tool is done with a shotgun stick
- Optional soft carrying case available



### Break-Safe 15kV-46kV Load Break & Pick-Up Tools

- Safety lockout pin provided
- Clear polycarbonate housing provides clear indication of tool position
- Duckbill option for shotgun stick installation
- Capacity: #6 Copper min up to 954 ACSR (1.1 dia) max
- Optional soft carrying case available



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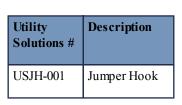
Utility Solutions #	Volts/Amps	Head
USBS600-1	7.2-27kV/600A	Floating

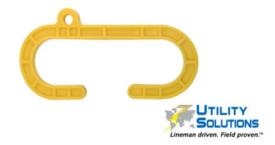
### Break-Safe 7kV-27kV/600A Load Break & Pick-Up Tool

- Extra-large clamp capable of handling all wire sizes up to 2" in diameter
- Conductor bars allow the use of two mechanical jumper clamps
- Internal safety lock, manual locking pin also included
- Durable electrical grade fiberglass housing
- Glove friendly design

#### Jumper Hook

- Designed to eliminate jumper clamp sag and prevent potential cross-phasing situations
- Minimizes a jumper clamp swaying in high wind conditions
- Easily installed by a gloved hand or with a shotgun stick
- Will fit over any class 2 or 3 line hose and exhibits a flash-over resistance of over 50 kV
- Molded from tough weather resistant polymer
- Size: 11" x 4.5" x .5







S&C#	Description
	Talon Overhead Fuse Handling Tool

# **Talon Overhead Fuse Handling Tool**

- Aluminum-bronze
- Two-pronged fitting and pole, one curled and one straight
- Designed for overhead distribution systems
- Used for installing and removing SMD-20 power fuses, Type XS fuse cutouts, Fault Tamer fuse limiters and TripSaver dropout reclosers

### Pole Wrap

- Worker On Line warning printed
- Reflective striping for night time visibility
- Secured with hook and loop

Estex#	Description
1180-45	6" x 45", Reflective Pole Wrap w/Card Holder











Hastings #	Description
C40	Vinyl Carrying Case, for HV-225 & 240
P10431	Universal Disconnect Hook
A 10020	Universal Tie Stick Head
A 10023	Universal Wire Tong Head
5455-35	Universal Insulator Controller
5455-46	Universal Socket Wrench, 1/2" Square Drive
5765-13	5/8" Square Magnetic Wrench Socket
A10400	Fluorescent Universal Disconnect Hook



#### **Hot Stick Cleaners**

- Helps all telescopic sticks slide freely
- Reduces friction caused by wear and contaminants
- Non-conductive, non-flammable



10-091







Hastings #	Description
10-088	Hot Stick Spray
10-091	Hot Stick Wax, 14 oz.
10-188	Hot Stick Wipes, Box/50
P31444	Spray Handles (Sold Separately)

### S-1 Hot Stick Cleaner & Water Repellent Wipe

- Pre-saturated, lint-free wipe
- Dual action-cleans and applies water repellent
- Does not remove or adversely affect gloss coat
- Evaporates quickly, no build-up over time
- Removes grease, dirt and grime
- Designed for one time use and easy disposal

Polywater #	Description
S-1	Saturated Towelette







Polywater #	Description
B-1	24" x 24" Individual Saturated Wipe in Sealed Foil Pouch
B-D72	72-Count Canister of 10" x 12" Saturated Wipes
BWC-128	1 gal Boom Wash Concentrate

### **B-1 Boom Wipes**

- Pre-saturated, lint-free wipe
- Does not remove or adversely affect gel coat
- Prevents build-up over time
- Cleans grease, tar, creosote, salt spray, hydraulic fluid, pine pitch and road debris off fiberglass boom arms
- Water soluble for easy water rinsing
- Designed for one time use and easy disposal



#### **Epoxiglas Cleaning Kits**

- Essential for care and maintenance of Epoxiglas tools
- Cleans insulated boom sections of aerial life trucks
- Do not use on gel-coat or painted boom surfaces
- Includes:
  - ☐ 1 gal Moisture Eater II Cleaner
  - ☐ Box of 20 abrasive cleaning pads
  - ☐ Gloss restorer kit
  - ☐ Hot stick wiping cloth

Chance #	Description
C4002365	Epoxiglas Cleaning Kit
M1904	Hot Stick Wiping Cloths
C4002364	Moisture Eater II Cleaner Solvent (1 gal)
C4001166	Abrasive Cleaning Pads (Box of 20)
C4001520	Gloss Restorer Kit











Polywater #	Description
W-1	Wax-Saturated Wipe w/Dry Buffing Towel
W-16	16 oz. Fast-Hazing Fiberglass Wax

# W-1 Wax & Buff Wipes for Live-Line Tool Maintenance

- Wax-Saturated, lint-free wipe
- Dual action tandem pack includes dry buffing towel
- Fast-hazing fiberglass wax
- Suitable for rubber and porcelain materials
- Does not remove or adversely affect gel coat
- Leaves non-conductive water-repellent coating
- Prevents continuous water film on stick
- Designed for one time use and easy disposal



# CHANCE

### Moisture Eater II Wipes

- For cleaning of insulated hot-line tools, line hose and rubber blankets
- Pre-moistened with a half ounce of orange-scented Moisture Eater II solvent
- Lint-free

Chance #	Description
C4002538	Box of 50 Moisture Eater II Wipes









Hastings #	Description
01-3200	4-1/2" OD Aluminum Kit, Fits 30/40 PVC
01-3400	6-5/8" OD Aluminum Kit, Fits 30/40 PVC

#### Canister Kit

- Latch pin is a captive component and easily operated by a pull or push motion
- Latch pin hinge is stainless steel
- Water and dust proof seal
- Kit includes:
  - ☐ Lid assembly
  - ☐ End cap
  - ☐ Two mounting brackets
  - ☐ Adhesive kit
  - ☐ Required mounting hardware
  - ☐ Instructions

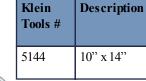


# **Canvas Tool Bag**

- Solid, continuous PVC ring in top of polypropylene rope
- 8" x 8" inside pocket
- Molded rubber bottom

Buckingham#	Description
1217Q3	12" x 15" with Special Fleet logo









Aerial-Basket Oval Bucket

- Canvas
- Black molded polypropylene bottom
- Two nylon 66 polymer hooks included
- Temperature change resistant hooks
- 15 interior pockets
- 2.05 lbs.

#### **Tool Bucket**

- Canvas
- Rope and Snap
- One inside pocket

Warren Heim#	Description
31-206	12" x 15"



**Warren Heim Corporation** 



Klein Tools #	Description
5109	Straight-Wall Bucket
5109PS-I	Straight-Wall Bucket with One 8" x 8" Inside Pocket & Swivel Snap (No. 2012)

# Wide-Opening Straight-Wall Bucket

- Durable No. 6 canvas
- Black molded polypropylene bottom
- Rope handle
- 12" Diameter x 15" height



# Heavy-Duty Tapered-Wall Bucket with Swivel Snap Hook

- Tough No. 4 canvas
- Black molded polypropylene bottom
- Rope handle
- Riveted leather glove strap
- Equipped with No. 2012 swivel snap hook

Klein Tools	# Size
5103S	12" x 12" x 9"





Estex#	Description
1807-3	16" x 9" x 20"



### Hard Body Oval Bucket

- Fabric constructed of rugged denier polyester to resist wear and tear on the jobsite
- Black molded polypropylene bottom with drain holes
- No. 5144H hooks sold separately
- Orange color
- Dimensions: 10"H x 7"W x 14"L

Klein Tools #	Description
5144BHB-I	14 Pockets

### **Oval Compression Cutter Tool Bag**

- Hard body plastic
- Dividers form five compartments
- Detachable strap sketches across the top of the bag to keep tools in place
- Shock absorbing rubber in the bottom protects tools
- Two grommets allow attachment to the aerial basket with hooks
- Rubber "bumper" is attached to the bottom side of the bag to protect the aerial basket from abrasion





Estex#	Description
2651	10" x 3" x 19", 2 Pockets
2651-2	10" x 3" x 19", 3 Pockets w/Strap & Snap

### **Compression Tool & Bolt Cutter Bag**

- Heavy vinyl-coated nylon
- Two Grommets for bucket attachment
- Extended back so tool handle doesn't extend too high above the lip of the bucket

### **Aerial Vinyl Tool Apron**

- 10 hand tool pockets
- Two pouches
- Hammer loop and drill bit holders
- Designed to fit flat against liner
- Non conductive rod in the top to for support
- Two brass grommets

Estex#	Description
1829-DP	23.8"L x 4"W x 21.25"H







Buckingham#	Size
4500YM2	21-3/4"H x 4W" x 23-7/8"L



### Aerial Basket Tool Apron

- Sewn in stiffener
- 2-Pocket holster
- Hammer loop
- PVC cap bottom
- Two nut and bolt Bags
- Eleven socket pockets
- Two PVC pipe inserts for auger bit holders
- Magnetic strip that allows linemen to store loose hardware and easily access it when required

### Aerial Tool Apron with Inosil and Hard Body

- Inosil corrosion shield
- Hard body stiffener gives the apron the rigidity of a traditional board
- Non-conductive rod in the top for support
- Two brass grommets for hanging

Estex#	Description
1829-HB-7	23.9" x 4" x 21.25"







Buckingham#	Size
4500	18"L x 20"W, w/3 Pocket Holster
45004	18"L x 20"W, w/4 Pocket Holster

### Fiberglass Tool Apron

- 3 or 4 Pocket holster
- Wrench and hammer loops
- Canvas nut and bolt bag

# 24" Tool Bag

- Made from heavy vinyl coated nylon
- Water resistant
- Wooden bottom for extra protection
- 2" web handles
- Box"x" stitches on handles to help prevent tearing

Estex#	Size
2190-1LOSP	24"L x 10"W x 19"H







Klein Tools #	Size
5181ORA	20"H x 10"W x 24"L



# Lineman's Backpack

- Wide opening easily accommodates helmets, belts and other equipment
- Large front pocket for separate storage of gaffs and rubber gloves
- Padded back area and adjustable padded shoulder straps with adjustable chest strap
- Durable; double-stitched plastic bottom with drain holes

Klein Tools #	Size
5185ORA	23"H x 18"W x 10"D



Estex#	Description
2114-12	12" x 7.5" x 12"
2114-16	16" x 9" x 12"
2114-18	18" x 9" x 12"
2114-22	22" x 10" x 14"
2114-24	24" x 10" x 14"

### Canvas Tool Bag with Outside Pockets

- Heavyweight #4 canvas duck
- Top opening has a steel frame
- Bottom is reinforced with heavy vinyl-coated nylon and has a masonite board
- Six brass studs on the bottom of the bag protect against abrasion

Estex#	Description
2100	16" x 9" x 12"
2160	22" x 10" x 14", 7 Inside Pocket



# Vinyl Equipment Bag

- One exterior pocket
- Wide bag opening easily accommodates helmets and other equipment
- Durable, double-stitched plastic bottom
- Webbing extends down side of bag from handles and shoulder strap for extra support and durability
- Right-sized rain flap with Velcro fastening
- Adjustable, padded shoulder strap included
- Orange color





#### Canvas Tool Bag

- Steel frame keeps bag open and provides security when closed
- Two leather straps secure the opening
- 2" Web handles wrap around the entire bag for added strength
- Bottom is reinforced with heavy vinyl coated nylon and has a double tempered masonite board
- Six brass studs on bottom of the bag to protect against abrasion







Buckingham#	Description
41333R5SY	19"H x 11"W x 24"L

### **Equipment Tool Bag**

- Hard rubber bottom equipment bag with 2" molded rubber lip to prevent water seeping into the bottom of the bag
- Heavy gauge rubber bottom is double stitched to the bag and is very durable, even in cold weather



## Heavy-Weight, Vinyl Coated Nylon Tool Bag

- Top zipper opening
- Web handles wrap completely around the bag
- Hard board in the bottom
- Six brass studs on the bottom to prevent abrasion to the bag

Estex#	Description
2180	22" x 11" x 11"









Buckingham#	Color
42266	Tanned
42266-BL	Black
42266-BR	Dark Brown

#### **Double Back Holster**

- Leather
- Five pockets
- 2-Way knife snap
- 10-3/4" x 8"

#### Linemen's Holster

- Double backed design
- Russet leather pockets
- Five pockets with a knife snap, fits a screwdriver, a rule, a linemen/slip pliers and a wrench
- Two piece screw rivet set included

Bashlin#	Color
111HLDS	Tan









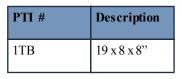
Buckingham#	Description
4510	18"L x 9"W x 11"D

#### **Tool Tray**

- Fiberglass storage tray
- May be hung on the inside or outside of an aerial basket
- Can be used to store cabling and other miscellaneous equipment
- Mounts using one pair of 5334 PVC hooks (included)

### **Tool Tray**

- Copolymer
- Outside mount
- Gray







Hastings #	Description
05-929-1	6" x 8" x 20"

### Fiberglass Tool Tray

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



#### Hydraulic Impact Wrench and Drill Holster

- Attaches to buckets with or 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
- Includes Velcro hold-down strap to keep wrench in place

Hastings #	Description
05-831	Holster
05-832	Holster w/Storage for Drill Bits









Hastings #	Description
05-909-1	Chain Saw Scabbard, 3" x 5-3/4" x 36"
05-910-1	Chain Saw Scabbard, 3" x 5-3/4" x 36"

#### Chain Saw Scabbard

- Designed for gasoline or hydraulic powered chain saws
- Mounts on bucket for quick and easy access
- Provides safe and convenient storage on bucket
- Prevents accidental damage to chain
- Non-conductive fiberglass
- Will accommodate saws with blades up to 36"
- Fits buckets with or without liners





### Fiberglass Bucket Step

- Anti-skid material to help prevent slippage
- 26"L x 8-1/2"W x 8"D

Hastings #	Description
05-961	For Buckets w/Liners
05-960	For Buckets w/o Liners







Klein#	Description
5144H	.3 lbs.

#### **Hooks for Aerial-Baskets**

- All weather nylon polymer
- Accommodates most manufacturer's aerial basket trucks
- Includes single replacement hook for Cat. No. 5144 and Cat. No. 5169

### **Polymer Hooks**

- Injection molded for strength and resistance to cold weather
- Fits all standard buckets
- Also keeps liners from bouncing out

Estex #	Description
1831	Fits 2-3/4" Lip
1833-2	Fits 2" Lip
1833-3	Fits 3" Lip







Estex#	Description
1250	8" x 15.5" Canvas
1250-1	6" x 17" Leather

### **Ditch Bank Blade Cover**

- Sewn construction, rivet stress points
- Double cut bush hook guard
- Snap closure



#### **Aerial Bucket Cover with Foam & Heat Sealed Seams**

- 2" Foam block sandwiched between two layers of fabric in the top to repel water so the cover doesn't sag into the bucket
- Rope lanyard with snap is attached to the cover to secure it to the truck
- Heat-welded pocket allows the cover to be used inside-out if the outside cover is ripped
- Bungee cord sewn into hem for a snug fit

Estex#	Description
2715-24-24	24" x 24", One Man
2715-24-48	24" x 48", Two Man



Estex#	Description
2711	Fits 24" x 24" to 24" x 30", One Man
2712	Fits 24" x 48" to 26" x 52", Two Man
2713BC-24-24	Fits 24" x 24" One Man, Collapsible
2713BC-28-34	Fits 28" x 34" One Man, Collapsible
2713BC-24-48	Fits 24" x 48" Two Man, Collapsible
2713WC-24-24	Fits 24" x 24" One Man, Collapsible
2713WC-28-34	Fits 28" x 34", One Man, Collapsible
2713WC-24-48	Fits 24" x 48" Two Man, Collapsible



### Aerial Bucket Cover, Universal Fit and Collapsible

- Stretches to fit all buckets (2711, 2712)
- Rope lanyards with snap is attached to the cover to secure it to the truck
- Bungee cord sewn into hem for snug fit (2711, 2712, 2713BC)
- Web strap closure (2713WC)









Slingco#	Color	Conductor Dia	<b>Lattice Length</b>	Breaking Strength
ZCS1710	Dark Green	.25"50"	31"	7,000 lbs.
ZCS1711	Brown	.50-".75"	45"	10,500 lbs,
ZCS1712	Light Blue	.75"-1.00"	43"	14,100 lbs.
ZCS1713	Gold	1.00"-1.25"	65"	25,000 lbs.
ZCS1714	Black	1.25"-1.50"	59"	31,000 lbs.
ZCS1715	Red	1.50"-1.75"	82"	31,000 lbs.
ZCS1716	Dark Blue	1.75"-2.25"	82"	49,000 lbs.
ZCS1750	Yellow	2.00"-2.50"	72"	49,000 lbs.
ZCS1751	Orange	2.50"-3.00"	72"	49,000 lbs.
ZCS1752	Aluminum	3.00"-3.50"	74"	49,000 lbs.
ZCS1753	Light Green	3.50"-4.00"	76"	49,000 lbs.

# MU Type, Multi-Weave Cable Grip

- Triple weave construction ideal for heavy loads
- Color-coded for ease of identification
- Primarily for pulling overhead aluminum conductor



# Triple Weave-Single Eye-Shoulder Grip

- Color-coded
- Flexible eye with shoulders and trip weave galvanized wire construction



DCD#	Color Code	Size Range	Approx. Mesh Length	Approx. Breaking Strength	Weight
00681-006	Dark Green	0.25" to 0.49"	28"	6,500 lb.	0.41 lb.
00681-012	Brown	0.50" to 0.74"	33"	10,400 lb.	0.79 lb.
00681-019	Light Blue	0.75" to 0.99"	41"	16,000 lb.	1.47 lb.
00681-025	Gold	1.00" to 1.24"	51"	25,400 lb.	3.46 lb.
00681-032	Black	1.25" to 1.49"	60"	31,700 lb.	4.11 lb.
00681-038	Red	1.50" to 1.99"	75"	32,000 lb.	4.81 lb.
00681-048	Yellow	2.00" to 2.49"	75"	44,600 lb.	8.12 lb.



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- Can be used for aluminum conductor or for pulling rope
- Color-coded for ease of identification
- Strongest Slingco cable grip
- Feeder tubes are recommended when inserting cable or rope into "A" Type grips



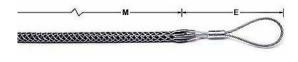


Slingco#	Color	Conductor Dia	Rope Dia	Overall Length	<b>Lattice Length</b>	<b>Breaking Strength</b>	Feeder Tube
ZCS1799	Black	.25"40"	.25"65"	40"	28"	7,000 lbs.	FTU1890
ZCS1800	Dark Green	.40"63"	.50"90"	55"	41"	14,000 lbs.	FTU1891
ZCS1801	Red	.63"88"	.75"-1.10"	74"	58"	20,000 lbs.	FTU1892
ZCS1802	Dark Blue	.88"-1.13"	1.00"-1.50"	87"	68"	30,700 lbs.	FTU1893
ZCS1803	Yellow	1.13"-1.38"	1.25"-1.70"	112"	90"	47,000 lbs.	FTU1894
ZCS1804	Aluminum	1.38"-1.90"	1.50"-2.10	121"	96"	67,000 lbs.	FTU1895

Hubbell #	Cable Diameter Range	Approx Breaking Strength	E Length	M Length
33041082	.50"62"	4,500 lbs.	8"	21"
33041083	.63"74"	5,600 lbs.	8"	24"
33041084	.75"99"	6,800 lbs.	9"	24"
33041085	1.00"-1.49"	9,600 lbs.	9"	24"
33041086	1.50"-1.99"	16,400 lbs.	11"	24"
33041087	2.00"-2.49"	18,500 lbs.	12"	24"
33041088	2.50"-2.99"	24,500 lbs.	12"	24"
33041089	3.00"-3.49"	24,500 lbs.	14"	24"
33041090	3.50"-3.99"	31,000 lbs.	14"	26"

# **Kellems Underground T-Type Pulling Grips**

- Flexible eye, double weave, galvanized steel
- Made of high strength galvanized steel strand
- Feature double weave mesh for positive holding power in medium to heavy pulling jobs
- Grip eye will easily attached to a swivel







### Kellems Overhead DUA-PULL Pulling Grips

- Flexible eye, double weave mesh, galvanized steel
- DUA-PULL pulling grips are the highest strength pulling grips manufactured for overhead transmission line stringing applications
- Have a dual function, not provided by any other grip, of working with both bare and insulated conductors and synthetic rope



Hubbell #	Conductor Diameter	Rope Diameter	Approx Breaking Strength	<b>E</b> Length	M Length	Eye B Diameter	Over Cable & Grip	Color Code
33271037	.19"37"	.25"65"	6,500 lbs.	10"	24"	.220"	.200"	Black
33271038	.38"62"	.50"90"	14,000 lbs.	12"	36"	.375"	.280"	Dk Green
33271039	.63"87"	.75"-1.10"	20,000 lbs.	13"	48"	.437"	.360"	Red
33271040	.88"-1.12"	1.00"-1.50	30,600 lbs.	15"	60"	.500"	.500"	Dk Blue
33271041	1.13"-1.37"	1.25"-1.70"	46,800 lbs.	18"	76"	.625"	.625"	Yellow
33271042	1.38"-1.90"	1.50"-2.10"	66,500 lbs.	24"	89"	.750"	.750"	Aluminum

# R Type, Revolving Multi-Weaver Cable Grip

- Rotating eye cable grip with triple weave construction
- Color-coded for ease of identification
- Steel forged revolving head is ideal for connecting to swivels and shackles
- Primarily for pulling overhead aluminum conductor
- NOTE: Rotating eye does not swivel under load

Slingco#	Color	Conductor Dia	Revolving Eye Dia.	<b>Lattice Length</b>	<b>Breaking Strength</b>
ZCS2177	Dark Green	.25"50"	.875"	31"	7,000 lbs.
ZCS2178	Brown	.50"75"	1.00"	45"	10,500 lbs.
ZCS2179	Light Blue	.75"-1.00"	1.00"	43"	14,100 lb.
ZCS2180	Gold	1.00"-1.25"	1.625"	65"	25,000 lbs.
ZCS2181	Black	1.25"-1.50"	1.875"	59"	31,000 lbs.
ZCS2182	Red	1.50"-1.75"	1.875"	82"	31,000 lbs.







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DCD#	Locking Part#	3:1 Safe Working Load	5:1 Safe Working Load	A	В	С	D	Weight
00505-015	00505-015A	3,500 lbs.	2,100 lbs.	1"	13/32"	3/8"	3-7/8"	.51 lb.
00505-020	00505-020A	5,000 lbs.	3,000 lbs.	1-1/4"	17/32"	13/32"	4-3/4"	1 lb.
00505-025	00505-025A	7,000 lbs.	4,200 lbs.	1-3/8"	9/16"	1/2"	5-1/8"	1.4 lb.
00505-027	00505-027A	9,000 lbs.	5,400 lbs.	1-1/2"	19/32"	1/2"	5-5/8"	1.8 lb.
00505-030	00505-030A	10,000 lbs.	6,000 lbs.	1-5/8"	11/16"	5/8"	6"	2.1 lb.

#### Line Swivels

- Constructed with a thrust bearing for tensile load and a radial bearing for bending load
- Sizes 00505-020 and larger are supplied with a grease point for lubrication
- High safe working load and compact design



# 808 Champion Swivels

- Designed for underground and overhead cable pulling applications
- Machined from high-strength stainless steel
- Capable of handling all types of utility cables





Condux#	3:1 Safe Working Load	5:1 Safe Working Load	A	В	C	D	E	F	G
08017000	600 lbs.	360 lbs.	5/8"	.28"	3.56"	.79"	.25"	.37"	.295"
08016000	2,500 lbs.	1,500 lbs.	7/8"	.38"	4.51"	1.06"	.31"	.53"	.375"
08016000H	2,500 lbs.	1,500 lbs.	7/8"	.38"	4.51"	1.06"	.31"	.53"	.375"
08080912	5,000 lbs.	3,000 lbs.	1-1/4"	.56"	5.44"	1.34"	.37"	.59"	.565"
08080912H	5,000 lbs.	3,000 lbs.	1-1/4"	.56"	5.44"	1.34"	.37"	.59"	.565"
08080913	7,000 lbs.	4,200 lbs.	1-3/8"	.56"	5.25"	1.31"	.44"	.56"	.530"
08080913H	7,000 lbs.	4,200 lbs.	1-3/8"	.56"	5.25"	1.31"	.44"	.56"	.530"
08080916	10,000 lbs.	6,000 lbs.	1-5/8"	.63"	6.51"	1.59"	.56"	.78"	.530"
08080916H	10,000 lbs.	6,000 lbs.	1-5/8"	.63"	6.51"	1.59"	.56"	.78"	.530"
08080920	15,000 lb.	9,000 lb.	2"	.75"	6.99"	1.78"	.62"	.72"	.750"
08080920H	15,000 lb.	9,000 lb.	2"	.75"	6.99"	1.78"	.62"	.72"	.750"
08080925	25.000 lb.	15,000 lb.	2-1/2"	1"	10.23"	2.80"	.87"	1.23"	1.135"
08080925H	25,000 lb.	15,000 lb.	2-1/2"	1"	10.23"	2.80"	.87"	1.23"	1.135"
08080930	30,000 lb.	18,000 lb.	3"	1.31"	12.04"	3.56"	1.12"	1.37"	1.630"



# 821 Champion Swivels

- Designed for underground and overhead cable pulling applications
- Capable of handling all types of utility cable
- Machined from stainless steel



Condux #	3:1 Safe Working Load	5:1 Safe Working Load	A	В	С	D	E	F	G
08210007	1,800 lbs.	1,080 lbs.	7/8"	.31"	3.09"	.84"	.31"	.38"	.305"
08210012	4,000 lbs.	2,400 lbs.	1-1/4"	.59"	4.52"	1.22"	.38"	.44"	.410"
08210014	7,500 lbs.	4,500 lbs.	1-7/16"	.59"	5.13"	1.41"	.44''	.59"	.600"
08210018	10,000 lbs.	6,000 lbs.	1-7/8"	.75"	7.06"	1.88"	.63"	.81"	.755"

### Stainless Steel Line Pulling Swivel

- For underground and overhead pulling applications
- High grade stainless steel construction
- Designed to allow easy passage through sheaves





# Rope-to-Swivel Connector

- Connectors connect the cable pulling rope, up to 1" in diameter, to the pulling swivel
- Makes connecting the pulling rope and the pulling swivel easier
- Connectors feature a removable sheave for rope eye
- Capacity:
  - □ 10,000 lbs. maximum rated in conduit
  - ☐ 6,000 lbs. maximum rated overhead

Greenlee #	Description
39902	Rope-to-Swivel Connector



Slingco#	Underground Load	Overhead Load
ZSW2091	2,250 lbs.	1,350 lbs.
ZSW2092	3,500 lbs.	2,100 lbs.
ZSW2093	5,000 lbs.	3,000 lbs.
ZSW2094	7,000 lbs.	4,200 lbs.
ZSW2096	10,000 lbs.	6,000 lbs.
ZSW2097	15,000 lbs.	9,000 lbs.

Lewis #	Overall Length	Pin Diameter	Jaw Opening	Overall Diameter	Working Load	Approx. Breaking Strength
HD-00	4-1/8"	5/16"	3/8"	7/8"	1,500 lbs.	4,500 lbs.
HD-0	5-1/4"	7/16"	1/2"	1-1/8"	5,400 lbs.	16,200 lbs.
HD-1	6"	1/2"	5/8"	1-7/16"	9,000 lbs.	27,000 lbs.
HD-2	7-1/8"	5/8"	5/8"	1-5/8"	12,000 lbs.	36,000 lbs.
HD-3	8-5/8"	3/4"	3/4"	2"	21,000 lbs.	63,000 lbs.
HD-4	10"	7/8"	7/8"	2-3/8"	30,000 lbs.	90,000 lbs.



# Heavy-Duty Ball Bearing Swivels

- Designed for tension stringing and insuring conductor remains in a neutral position
- Manufactured from high-grade pre-stressed steel
- Pins are screwdriver removable



Toll Free: 800-796-9027 Fax: 540-438-9502





7/16" Cobra Rod 3/8"-16 End Fitting 45" Cage

Condux #	Length	Replacement Rod No.		
08083820	200'	08086320		
08083830	300'	08086330		
08083840	400'	08086340		
08083850	500'	08086350		
08083860	600'	08086360		
08083870	700'	08086370		
08083880	800'	08086380		
08083890	900'	08086390		
08083810	1000'	08086310		
08083811	1100'	08086311		
08083812	1200'	08086312		
08083813	1300'	08086313		
0803814	1400'	08086314		
08083815	1500'	08086315		
08083810 08083811 08083812 08083813 0803814	1000° 1100° 1200° 1300° 1400°	08086310 08086311 08086312 08086313 08086314		

# 3/16" Mini-Cobra Rod #12-24 End Fitting 16" Cable

Condux #	Length	Replacement Rod No.
08072405	50'	08073605
08072410	100'	08073610
08072415	150'	08073615
08072420	200'	08073620
08072425	250'	08073625
08072430	300'	08073630

# 5/16" Python Rod 3/8"-16 End Fitting 30" Cage

Condux #	Length	Replacement Rod No.	
08084320	200'	08082320	
08084330	300'	08082330	
08084340	400'	08082340	
08084350	500'	08082350	
08084360	600'	08082360	
08084370	700'	08082370	
08084380	800'	08082380	
08084390	900'	08082390	
08084310	1000'	08082310	

# 9/16" Python Rod 3/4"-10 End Fitting 45" Cage

Length	Replacement Rod No.
200'	08075720
300'	08075730
400'	08075740
500'	08075750
600'	08075760
700'	08075770
800'	08075780
900'	08075790
1000'	08075710
	200° 300° 400° 500° 600° 700° 800°





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24" Cage				
Condux #	Length	Replacement Rod No.		
08072510	100'	08073710		
08072515	150'	08073715		
08072520	200'	08073720		
08072525	250'	08073725		
08072530	300'	08073730		
08072535	350'	08073735		
08072540	400'	08073740		
08072545	450'	08073745		
08072550	500'	08073750		
08072555	550'	08073755		
08072560	600'	08073760		





5/16" Cobra Rod 3/8"-16 End Fitting 30" Cage

Condux #	Length	Replacement Rod No.
08083720	200'	08079120
08083730	300'	08079130
08083740	400'	08079140
08083750	500'	08079150
08083760	600'	08079160
08083770	700'	08079170
08083780	800'	08079180
08083790	900'	08079190
08083710	1000'	08079110



7/16" Python Rod 3/8"-16 End Fitting 45" Cage

45" Cage				
Condux #	Length	Replacement Rod No.		
08083920	200'	08086520		
08083930	300'	08086530		
08083940	400'	08086540		
08083950	500'	08086550		
08083960	600'	08086560		
08083970	700'	08086570		
08083980	800'	08086580		
08083990	900'	08086590		
08083910	1000'	08086510		
08083911	1100'	08086511		
08083912	1200'	08086512		
08083913	1300'	08086513		
0803914	1400'	08086514		
08083915	1500'	08086515		



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# Jameson Buddy System

Fiberglass core is coated with high visibility polymer sheath to protect against rod abrasion and reduce friction. Round, flexible rod slides easily over wires in occupied conduit.

Exceptional bending strength for maneuvering tight turns.

Non-conductive and will not kink.





James on #	Description
12-516-300M	300° x 5/16°°
12-516-400M	400° x 5/16°°
13-716-500M	500° x 7/16°°
13-716-600M	600° x 7/16°°

#### **Duct Hunter Detectable Rodder**

- Duct Hunter incorporates a copper trace wire in the rod to meet your locating and tracing requirements on the job
- Trace or map underground conduit or pipe without digging or trenching
- Accessory kit included (12-516-AK or 136-716-AK)

### Easy Buddy Fiberglass Conduit Rodder

- Designed to handle tight turns and long runs, makes it ideal for 1"-2" conduit
- More flexible and smaller than Good Buddy
- 4" Bend radius; 400-lb. pull/tensile strength
- Drag brake to control payout
- Rod is marked in 5' increments
- Includes end ferrule and pulling eye
- Accessory Kit included (9-25-AK)

James on #	Description
6-14-300M	300° x 1/4°°
6-14-500M	500' x 1/4"









James on #	Description
9-25-300M	300° x 3/8"
9-25-400M	400° x 3/4°°

### Good Buddy Fiberglass Conduit Rodder

- Unit fold to 10" width for carrying into manholes
- Reel can be detached from frame
- Frame handle for easy transport
- Friction brake and safety roller feed
- Operates vertically or horizontally
- Accessory Kit included (9-25-AK)

## **Compact Puller**

- Capstan puller for installation of service drops
- 50 lb. pulling capacity
- Reduces risk of installer injury by eliminating hand pulling
- Light weight-less than 40 lbs.
- Portable and wheeled for easy construction-site use
- On board power from a gasoline-powered drill (sold separately)
- Spuds for adapting to various conduit sizes included

Sherman + Reilly #	Description
CP-50	Compact Safety Puller







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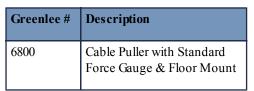
Greenlee #	Description
6900	UT10-2S Package with Floor Mount
6906	UT10-2S Package with Mobile VersiBoom II
UT10-2S	Puller Assembly

### Ultra Tugger 10 Cable Puller 10,000 lb. Rated

- 2-Speed gear-motor enables 20% faster pulling time
- Shift from high-speed/low-load pulling to low-speed/high-load pulling with a simple double-tap motion on the foot-pedal
- Available with Mobile VersiBoom for less than 2-minute, one person set-up, and 20' tall
- Available with floor mount and chain mount for tighter spaces
- Customized gear motor specifically for heavy-duty cable pulling application and meet UL & cUL safety requirement
- Pulling force: maximum: 10,000 lbs., continuous: 6,500 lbs.

# Ultra Tugger 8 Cable Puller 8,000 lb. Rated

- VersiBoom system provides fast set-up with no anchors to set or chains to mount
- Boom uses 3" rigid steel conduit for easy length adjustment to pull 10' to 20' of cable out of the box fast and easy
- Direct gear drive
- Easy to move around jobsite with mobile carriage







Greenlee #	Description
ı	Cable Puller Basic Package

### Ultra Tugger 5 Cable Puller, 5,000 lb. Rated

- Pull speed range of 9 to 14 fpm will complete most 500' pulls in one hour or less
- VersiBoom system provides fast setup with no anchors to set or chains to mount
- Boom uses 3" rigid steel conduit for easy length adjustment to pull 10' to 20' of cable out of the box fast and easy
- Cable puller basic package includes:
  - ☐ Standard force gauge
  - ☐ Wheeled carriage
  - ☐ 4' Boom
  - ☐ Boom mount and nose unit
  - □ 2-1/2", 3" & 4" Slip-in couplings
  - □ 2-1/2", 3" & 4" Screw-on couplings

#### **Conduit Measuring Tape**

- Fish and measure conduit runs in one operation
- Permanently printed measurements every foot from zero to 3,000'
- Made of strong waterproof polyester
- Pay-out dispenser has anti-skid pads, handle and built-in cutter
- Tensile strength: 170 lbs. average breaking strength

Greenlee #	Size
435	3/16" x 3,000"







Greenlee #	Length	Weight
430	6,500' Green Tracer	11 lbs.
431	5,200' Yellow Tracer	12 lbs.

#### **Poly Line**

- Ready-to-use, pre-punched hole in lid with resealable cap
- Use with power fishing systems directly from the container
- Resists tangling when dispensing
- Rot and mildew resistant
- Handy reusable plastic dispenser pail with handle keeps the line dry
- Use to pull rope through conduit
- Tensile strength: 210 lbs. average breaking
- Green color
- Thickness: 1 ply
- Type: twine, spiral wrap, tracer



# ED Junior Digital Dynamometer with 2 Anchor Shackles

- Selectable in lb, kg and newtons
- 7:1 Factor of safety at all capacities
- Accuracy: 0.2% of capacity
- Aircraft quality 500% 2024 aluminum construction
- NEMA 4 Enclosure
- 128 x 64 graphic LCD display shows all digits 1.0" high
- Display update rate: 2 times per second
- Calibration: traceable to the NIST
- Powered by two C batteries
- Battery life: 320 hours typical use
- Batteries, manual and calibration card included



Dillon #	Ibf	Kgf	N
36190-0046	5,000	2,000	20,000
36190-0053	10,000	5,000	50,000



Dillon #	Dial Size	Capacity x Div Size
30006-0050	5"	5,000 Lbf x 50
30006-0084	5"	10,000 Lbf x 100
30006-0100	5"	20,000 Lbf x 200
30007-0109	10"	20,000 Lbf x 100
30784-0033	10"	50,000 Lbf x 200

#### **AP Mechanical Dynamometer**

Pound capacities

DILLON

- Accuracy: +-0.5 of capacity
- Temperature range: -50°F to 150°F
- Non-corrosive construction:
  - ☐ Pressure bar-powder coated high grade alloy steel
  - ☐ Shackles-electroless nickel-plated A4140 forged steel
  - ☐ Shackle pins: electroless nickel-plated E4340 steel
- 5" Model have high strength composite plastic case enclosure
- 10" models have cast aluminum enclosure
- Calibration: traceable to NIST
- User's guide and calibration card included
- CE approval

# **Clipping Hook**

- 6,500 lb. safe working load
- Each unit is tagged showing the safe working load, proof test date, and an identifying serial number

SFS#	Description
S22-771	Clipping Hook



#### Sagometer

- Accurate thermometer encased in a section of aluminum conductor
- Helps determine the actual temperature of the conductor being sagged
- Range is -40° to 160°F

SFS#	Description
CT40-160	Sagometer



# Sagwatch

- Used to accurately determine sag simply and rapidly
- Water and shock resistant
- Antimagnetic, housed in a stainless steel case

SFS#	Description
SW-E	Sagwatch



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# Bulldog-Type Jaw Standard Wire Grip

• Spring loaded

Little Mule #	Description
LMG2000	2,000 lb., 8 to 4/0 AWG





Little Mule #	Description
LMG4500	5,000 lb., 6 to 4/0 AWG
LMG4500A	5,000 lb., 6 to 4/0 AWG
LMG4600	10,000 lb., 1 AWG to 450 MCM
LMG4700	20,000 lb., .397 to 1130 MCM
LMG4800	12,000 lb., .397 to 1130 MCM
LMG4900	20,000 lb., 1033 to 2500 MCM

#### Parallel Jaw Standard Wire Grip

- Spring loaded
- "A" Suffix indicates aggressive teeth for extra high strength cable

# Parallel Jaw Hot Line Wire Grip

- Spring loaded
- Notched handle
- "A" Suffix indicates aggressive teeth or extra high strength cable



Little Mule #	Description
LMG4501	5,000 lb., 6 to 4/0 AWG
LMG4501A	5,000 lb., 6 to 4/0 AWG

Little Mule #	Description
LMG4502	5,000 lb., 6 to 4/0 AWG
LMG4702	20,000 lb., .397 to 1130 MCM
LMG4802	12,000 lb., .397 to 1130 MCM



# Parallel Jaw Hot Line Wire Grip Less Spring and Notch

• No spring or notch

Little Mule wire grips open easily and release instantly to quickly insert or remove wire, have large handle eye openings and are forged steel construction with yellow chromate finish.

Klein Tools offers a large number of grips, please contact us with the specifications of the job so we can happily help you select the necessary items for your needs!

#### Parallel Jaw Grip

- Round jaw
- Large eyelet opening in the handle to accommodate a wide variety of hooks on hoists, winches and tackle blocks

Klein Tools #	Cable Range	Max Load	Jaw Length	Weight
KT4500	.180"600"	5,000 lbs	4"	3.75 lbs.
KT4800	.70"-1.25"	12,000 lbs	5-1/8"	9 lbs.





**Klein Tools #** 

1685-20

1685-31

### Parallel Jaw Grips

- Lightweight, compact grips pull an exceptionally wide range of cable types and sizes
- Designed with a round inside jaw contour for maximum contact to minimize cable deformation
- Lower jaw is serrated to firmly grip insulated cables and conductors
- Design includes a latch that prevents the grip from falling in case of jaw disengagement from the cable
- Large diameter eye accommodates large hooks on hoists, winches and tackle blocks
- 2-1/2" Jaw length (1685-20)
- 4-1/2" Jaw length (1685-31)





Klein Tools #	Cable Range	Max Load
1656-20	.20"40"	4,500 lbs.
1656-30	.31"53"	4,500 lbs.
1656-40	.53"74"	8,000 lbs.
1656-50	.74"86"	8,000 lbs.

# Bare ACSR, Aluminum & Stranded Copper Cable Chicago Grip

- Round, smooth inside jaw contour
- Smooth jaws grip with maximum contact and are less likely to damage conductors
- 4" Jaw length (1656-20)
- 4-3/4" Jaw length (1656-30)
- 5-1/2" Jaw length (1656-40 & 1656-50)

### Extra High Strength Chicago Curved-Jaw Grip

- Double V grooves provide four-point contact, reducing chance of slipping and providing proper alignment of wire and cable
- 5" Jaw length

Klein Tools #	Cable Range	Max Load
1684-74	.218"550"	8,000 lbs.





Klein Tools #	Cable Range	Max Load
1684-5F	.16"550"	8,000 lbs.

# Aircraft Cable, Extra High Strength, Messenger & Guy Strand Chicago Grip with Replacement File

- Double V grooves provide four-point contact, reducing chance of slipping and providing proper alignment of wire and cable
- 5" Jaw length

Weatherproof Stranded	& Solid &	Chicago (	Grin
rv camer proof 5 if anucu	& Soliu	CIIICago v	<b>յւ ւ</b> թ

- Round inside jaw contour for weatherproof coated wire
- Notches in jaw provide firm grip on insulation
- 4-3/4" Jaw length

,	Klein Tools #	Cable Range	Max Loads
	1611-30	.31"53"	4,500 lbs.







Klein Tools #	Cable Range	Max Load
1613-40	.12"37"	4,5000 lbs.
1684-5	.218"550"	8,000 lbs.
1628-17	.50"75"	15,000 lbs.
1628-18	.75"-1.00"	15,000 lbs.

# Aircraft Cable, Extra High Strength, Messenger & Guy Strand Chicago Grip

- Double V grooves provide four-point contact, reducing chance of slipping and providing proper alignment of wire and cable
- 4-3/16" Jaw length (1613-40)
- 5" Jaw length (1684-5)
- 7-1/4" Jaw length (1628-17 & 1628-18)

### Bare Wire Chicago Grip

- Designed for working with solid and stranded bare wire
- Lightweight, especially economical grip
- Single V groove jaw
- 3" Jaw length

Klein Tools #	Cable Range	Max Load
1613-30	.08"20"	1,500 lbs.





Klein Tools #	Cable Range	Max Load
1625-20	.28"75"	8,000 lbs.
1625-20-1	.50"-1.00"	8,000 lbs.

### Wire Rope Haven's Grip

- Designed for use when light, compact grip is desired and where cable deformation is not a factor
- Gripping pressure of the knurled jaw is applied to 1/4" cable area
- Switch latch to help hold cable in the jaw

# Haven's Grip

- Designed for use when light, compact grip is desired and where cable deformation is not a factor
- Gripping pressure of the knurled jaw is applied to 1/4" cable area
- Swing latch to help hold cable in the jaw (1604-20L)

Klein Tools #	Cable Range	Max Load
1604-10	.06"25"	2,500 lbs.
1604-20	.125"50"	5,000 lbs.
1604-20L	.125"50"	5,000 lbs.







Klein Tools #	Cable Range	Max Load
KT4650	16"90"	5,000 lbs.

#### Wide Range Distribution Grip

- Large jaw opening accommodates a large range of cables, reducing the number of grips needed
- Combination of a "V" groove jaw and a round jaw allows for a wide range of cables while minimizing cable deformation
- Large handle opening accommodates a wide variety of hooks on hoists, winches, and tackle blocks
- 4-1/2" Jaw length



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Utility Tool #	Description
36000	4x4 Cable Stripper

#### 4x4 Plus Cable End Stripper

- For 600V secondary cable
- Cutting heads for #6 AWG to 500 MCM conductors (concentric, compressed or compacted)
- Strips 45 mil to 110 mil secondary insulations
- Strips quickly, even in cold climates
- Guarded cutting blades ensure safety
- Precision stripping with no conductor damage
- Bushings change easily with hex wrench

## 2750/2850 600V Secondary Insulation Stripper

- Designed to end-strip 600V cable (45 mil to 110 mil thickness)
- Cable OD: .31"-1.375" (2750)
- Cable OD: 31"-1.188" (2850)
- No bushing required

Speed Systems #	Description
2750	End Stripper
2850	Mid-Span and End Stripper
2781	Replacement Blade 2750
2787	Replacement Blade 2850





Speed Systems #	Description
1542-2CL	Wedge Blade Installed, Spare Straight Blade
1542-2CL-1	Wedge Blade Installed, Spare Wedge Blade
1542-2CL-2	Straight Blade Installed, Spare Straight Blade

## 1542-2CL Series Insulation Stripper

- Cable OD range: 1/2"-1-3/4"
- Adjustable
- Designed to remove PE, XLR, EPR and other types of insulation from medium voltage power cable
- No bushings required

## 1542-2AS Series Insulation Stripper

- Cable OD range:1/2"-1-3/4"
- Adjustable
- Designed to strip insulation from power cable and score the semi-conductive outer shield with precise accuracy
- Combines features of 1542-2CL stripper and 1700 scorer
- No bushings required

Speedy Systems #	Description
1542-2AS	Wedge Blade Installed, Spare Wedge Blade
1542-2AS-1	Wedge Blade Installed, Spare Wedge Blade
1542-2AS-2	Straight Blade Installed, Spare Straight Blade







Utility Tool #	Description
37415	WS-5A for .260" to 1.265" Cable OD

#### Adjustable Primary URD End Stripper

- For 600V to 35kV cables
- Strips XLPE, polyethylene and EPR insulation
- Precise stripping of insulation only or insulation and semicon simultaneously
- New adjustable strip stop with rotary mechanism
- New adjustment window allows easy setting of stop
- Guarded cutting blade prevents injury
- Accepts SW 2 ratchet wrench for leverage
- Bushing insert fits over cable and presets cutting blade depth
- (See Bushing Selection Table for additional options)

## 2900 Aerial Tree Wire and Spacer Cable Mid-Span Stripper

- Cable OD 0.40"-1.66"
- Model 2900 Aerial Tree Wire and Spacer Cable Stripper performs both end and mid-span strips on 5kV through 35kV aerial tree wire and spacer cables

Speed Systems #	Description
2900	Stripper with Standard Handles
2872	Replacement Blade





Utility Tool #	Description
12918	For .960" to 1.9" Cable OD

#### Cable End Stripper

- For 15kV to 46kV cables
- Strips XLPE, polyethylene and EPR insulation
- Precision stripping with no conductor damage
- Guarded cutting blade prevents injury
- Rotating stop bar permits accurate preset stripping lengths of up to 2-7/16"
- WA 3 Adapter included, allows strip lengths up to 5-1/2" and also use of the SW 2 ratchet wrench
- Bushing insert fits over cable and presets cutting blade depth

#### **SNAP Power Driven End Stripper**

- Bushing quick disconnect feature eliminating the need for a hex wrench
- Ergonomic end stripping tool for 600V secondary cable
- Designed to reduce working time and effort on repetitive stripping functions
- Adjustable strip stop with adjustment window allows easy setup for precise strip lengths 0.625" to 2.5"
- Uses standard 2 x 2 and 4 x 4 bushings, from #6 AWG to 500 MCM (concentric, compressed or compacted)
- Strips quickly, even in cold climates
- Precision stripping with no conductor damage
- Guarded cutting blades ensure safety

Utility Tool #	Description
WS68SNAP	Power Driven End Stripper with 3/8"Drill Adapter





## Universal Adjustable Cable Stripper

- End stripping and mid-span stripping with different blades (interchangeable)
- Dual position jaw is versatile for electric utility applications
- Removes outer jacket on primary power cable
- Adjusts to cable size with spring loaded trigger-action jaw
- Micro-adjustable blade allows accurate setup for a variety of insulation thickness
- Self-feeding tool design
- Compact design for tighter work spaces
- Rugged, all metal body

Utility Tool #	Description
WS64UE	End Stripping Only, Outer Jackets up to 2.5" OD & Insulations to 1.5" OD



## **Insulation Stripper Accessories**

• Replacement blades and tool stops

Speed Systems #	Description
1562	Replacement Wedge Blade
1678	Replacement Scoring Blade
MARKII	Tool Stop
MARKI	Tool Stop
1650X	Tool Stop (1542 Series Tools)
1581	Replacement Straight Blade
2672	Replacement Chamfering Blade





## 1800 Series Semi-Con Scorer (Scriber)

- Cable OD: 1-3/4"-3"
- Adjustable blade length
- For scoring (scribing) the semi-conductive shield of medium voltage cable to remove without nicking or damaging the cable insulation
- Square and spiral cut
- Coil springs

Speed Systems #	Description
1800	Adj Blade Scorer
1800-SS	Adj Blade Scorer w/Dial Locking Set Screw
1800-LC	Adj Blade Scorer w/Saddle Relief





## 1700 Series Semi-Con Scorer (Scriber)

- Cable OD: 1/2"-2"
- Adjustable blade length
- For scoring (scribing) the semi-conductive shield of medium voltage cable to remove without nicking or damaging the cable insulation
- Square and spiral cut
- Leaf springs

Speed Systems #	Description
1700	Adj Blade Scorer
1700-SS	Adj Blade Scorer w/Dial Locking Set Screw
1700-LC	Adj Blade Scorer w/Saddle Relief
1700-SS-LC	Adj Blade Scorer w/Dial Locking Set Screw & Saddle Relief





## Banana Peeler Adjustable Blade Semi-Con Scoring Tool

- Scoring depth from 1 to 90 mils
- For strippable semi-con URD cable shield
- One hand scoring of circumference and length
- Spring-loaded blade assembly assures consistent scoring depth
- Teflon coated cable guide
- Semi-con is cleanly removed with no damage to underlying insulation
- Convertible to a fixed setting

Utility Tool #	Description
BP-1A	For .75" to 1.10" Cable OD
BP-2A	For 1.25" to 1.75" Cable OD
34230	Replacement Blade for BP 1A



Utility100/

#### **Insulation Chamfer Tool**

- Chamfers 15kV to 35kV cable
- Creates a 45° bevel, approximately .125" long
- For XLPE insulations
- Perfect for premolded splices, elbows and terminators
- Complete operation takes 10 seconds or less
- Adjusts easily to fit different cable insulations
- Blades are recessed to prevent injury and blade damage

Utility Tool #	Description
IC1	For .650" to 1.260" Cable OD







Speed Systems #	Description
CT-1	Chamfering Tool for 1/2"-1-3/8" Cables
CT-2	Chamfering Tool for 1-1/4"-2-3/4" Cables
2672	Replacement Blade

## CT-1/CT-2 Chamfering Tool

• Chamfering tools cut a 45° bevel on the cable insulation to ease installation of premolded rubber components

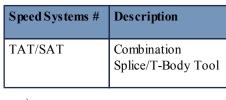


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# TAT/SAT Combination Splice/T-Body Tool

- Combines features of the SAT Splice Assembly Tool and the 800TAT T-Body/Cable Adapter Tool
- Clamp fits 15kV through 35kV components (0.75"-2.625")
- Splice gripping arms open 1-1/2"-3-3/8" (splice sleeve OD range)
- 15" Stroke (two revolutions of drive per inch of stroke)
- Includes carrying bag







Speed Systems #	Description
SC-13	Semi-Con Roller Grip

## Semi-Con Roller Grip

- For controlled rolling of the semi-con layer after it is scored
- Broad nose
- Serrated jaws for maximum grip
- Rugged plastic covered handles

# 200A Clamp-On Bushing Installation Tool

- For installation and removal of bushing inserts
- Preset torque limiter takes guess work out of bushing installation
- Can be used for bushing removal

Speed Systems #	Description
BIT-TK120X-Q	Fits All Loadbreak Bushing Inserts (130 in-lb. Torque Limiter)
BIT-TK120X-N	Fits All Dead Break Bushing Inserts (130 in-lb. Torque Limited)
FIT-TK120X-X	Feed Thru Loadbreak Insert Tool (120 in-lb. Torque Limiter)



## 15/25kV Probe Installation Tools

- Provide a means of preventing probe arc follower contamination and other damage when installing 15kV, 25kV and Elastimold 35kV probes
- 120 in-lb. Torque Limiter



Speed Systems #	Description
LPW 1525/TK120X-N	Loadbreak Probe Wrench w/Neutral Winder
LPW 1525/TK120X	Loadbreak Probe Wrench
LPW 1525	Probe Wrench for Use w/1/4" Square Drive
TK120	Torque Limiter w/1/4" Square Drive





Speed Systems #	Description
BIT/E180AT	T-Handle
BIT/E180AH	Operating Eye

Description

Limiter

55 ft-lb. Torque

Speed Systems #

LRTP/TK55

# ${\bf 200 A\ Load break\ Bushing\ Installation\ Tools}$

- 180 in-lb preset torque limiter
- For installation and removal of bushing inserts with a 5/16" internal hex socket



## 600A LRTP Torquing Installation Tool

- Bushing insert tool
- Preset torque for installation and removal of 600A load reducing tap plug bushings with 5/16" and/or 3/8" internal hex socket

Speed Systems

Speed Systems #	Description
LPW/35R/TK120X-N	Loadbreak Probe Wrench w/Neutral Winder
LPW/35R/TK120X	Loadbreak Probe Wrench

# 35kV Probe Installation ToolProvide a means of prevent

- Provide a means of preventing probe arc follower contamination and other damage when installing 35kV Cooper and Hubbell (Chardon) large interface probes
- 120 in-lb. Torque limiter

## **Load Break Bushing Insertion Tool**

- For 200A bushing inserts with internal hexagon socket drive
- Secures bushing insert for positive installation and removal
- Multiple drive systems:
  - ☐ Adjustable "T" handle
  - ☐ 1" Square socket drive
  - □ 7/8" Hexagon for wrench
  - ☐ Standard "Penta" Head

Utility Tool #	Description
LBIT-1T	Preset Torque Setting of 180 in-lb.





Utility Tool #	Description
PIT-1T	125 in-lb. Torque

#### Load Break Elbow Probe Insertion Tool

- For 15kV to 35kV elbow-small interface
- Quick and easy insertion of the probe inside the elbow
- Prevents load break probe contamination
- Prevents load break probe breakage
- Reduces cross threading
- Provides the proper tightening forces as recommended by the elbow manufacturers
- Multiple torque delivery system
- Adjustable and removable "T" handle
- 7/8" Steel drive and wrench
- 3/8" Square drive socket
- Load break probe removed by simply reversing the tightening action



#### Semi-Con Edge Wedge

- Designed for lifting the front edge of the semi-con layer after it is scored
- Leather sheath included
- SC-11 has an ergonomic safety grip and stainless steel blade

Speed Systems #	Description
SC-10	Edge Wedge w/Leather Sheath
SC-11	Edge Wedge w/Finger Grip & Leather Sheath





Klein Tools #	Description
25450	Brush Set



## **Grip-Cleaning Brush Set**

- Set of four wire-bristle brushes designed for cleaning Klein wire and cable-pulling grips
- Brushes have stiff wire bristles
- Available in round and square shapes and two lengths for efficient cleaning of different jaw configurations
- Semi-flexible steel shafts set into comfortable wooden handles provide the necessary reach into grips jaws
- Includes:
  - ☐ Round bristle 3/8" x 3", 12" long
  - ☐ Square bristle 3/8" x 3", 12" long
  - ☐ Round bristle 1-9/16" x 5", 14" long
  - ☐ Square bristle 1-9/16" x 5", 14" long

## Lineman's Strap Hoist

- Hot stick-type gate latch on all hooks
- Hot stick rings on all hooks, control surfaces, and quick disconnect shaft
- Rated load capacities of 1,000 and 1,500 lbs. single line; 2,000 and 3,000 lbs. double line
- Overload protection bending handle
- 360° Swiveling hooks equipped with latches for positive load engagement
- Positive load holding with double interlocking pawl mechanism
- Cast aluminum and zinc alloy housings
- All stainless steel springs and shafts
- All rotating shafts mounted on bronze bushings
- Meets or exceeds minimum 4:1 design factor and all requirements of ASME/ANSI standard B-30.21

Little Mule #	Description
300A	1-1/2 Ton, 10' Strap Length, 20" Handle Length, Standard Hooks w/Safety Latches
300DA	1 1/2 Ton, 10' Strap Length, 20" Handle Length, Hot Stick Ring Hooks w/Safety Latch







Little Mule #	Description
344B	2 Ton Strap Hoist, 11' and 5-1/2' Lift
344DB	2 Ton Strap Hoist with Hot Stick Rings, 11' and 5-1/2' Lift

## Series 322B and 344B Lineman's Lever Hoist

- Hot stick-type gate latch on all hooks
- Hot stick rings on all hooks and control surfaces
- Rated load capacities of 1,500 and 2,000 lbs. single line; 3,000 and 4,000 lbs. double line
- Overload protection bending handle
- Enhanced reversing mechanism with double interlocking pawls
- 360° swiveling hooks equipped with latches for positive load engagement
- Compact aluminum alloy frame with double flanged strap drum and interrogated hook point
- All stainless steel springs and shafts
- All rotating shafts mounted on bronze bushings
- Meets or exceeds minimum 4:1 design factor and all requirements of ASME/ANSI standard B-30.21





## Lug-All Small Frame Web Strap Ratchet Winch Hoist, Standard Latching Hooks

- Aluminum alloy frame
- Interlocking pawl systems
- Web strap stores on double flanged drum
- Reversible fiberglass handle
- Nylon web strap
- Standard quick release pulley block double reeved for full capacity
- Open construction

• Easily replaceable stress link gives

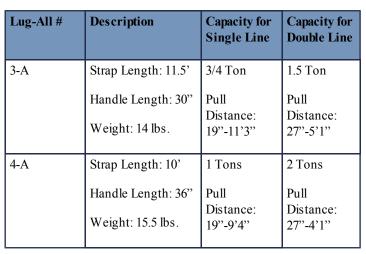
warning of overload

LUC-ALL



Description	Capacity for Single Line	Capacity for Double Line
Strap Length: 10'	1/2 Ton	1 Ton
Weight: 10.25 lbs.	Distance: 16"-9'6"	Pull Distance: 21"-4'5"
Strap Length: 8' Handle Length: 20"	3/4 Ton Pull	1.5 Tons Pull
Weight: 10 lbs.	Distance: 16"-7'6"	Distance: 21"-3'5"
	Handle Length: 30" Weight: 10.25 lbs. Strap Length: 8' Handle Length: 20"	Strap Length: 10' 1/2 Ton  Handle Length: 30" Pull Distance: 16"-9'6"  Strap Length: 8' 3/4 Ton  Handle Length: 20" Pull Distance:



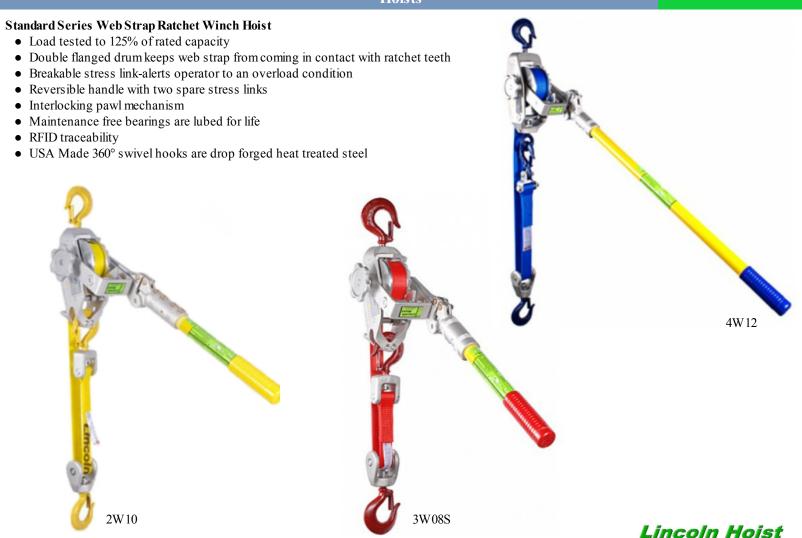




## Lug-All Medium Frame Web Strap Ratchet Winch Hoist, Standard Latching Hooks

- Aluminum alloy frame
- Interlocking pawl systems
- Web strap stores on double flanged drum
- Reversible fiberglass handle
- Nylon web strap
- Standard quick release pulley block double reeved for full capacity
- Open construction
- Easily replaceable stress link gives warning of overload





Lincoln Hoist#	Description
2W10	Strap Hoist, 1-Ton with 30" Handle
3W08S	Strap Hoist, 1-1/2-Ton with 20" Handle
3W08SY	Strap Hoist, 1-1/2-Ton, 20" Handle with Hot Stick Rings on Operating Levers Only
3W15Y	Strap Hoist, 1-1/2-Ton with Medium Frame and Hot Stick Rings on Levers Only, 6.2' Lift at Double Line and 14' Lift at Single Line
4W12	Strap Hoist, 2-Ton with 36" Handle
4W12Y	Strap Hoist, 2-Ton with 36" Handle and Hot Stick Rings on Operating Levers Only
4W 12B	Strap Hoist, 2-Ton with 36" Handle and Hot Stick Rings on the Handle and Pawl Shafts





## Convertible Strap Hoists, Mechanical

- For rubber-glove work, select hoist with plastisol cap on handle end
- For hotstick operations, select hoist with swivel eye on the handle
- Designed for heavy-duty applications
- Automatic spring-loaded latches on 360° swivel forged-steel hooks
- Heat-treated aluminum-alloy frame
- Interlocking pawls
- Safety-orange 30" x 1-1/4" Epoxiglas insulated handle

Chance #	Rating	Description	Standard Lift Distance (high)	Standard Lift Distance (low)	Weight
PSC3090451	3/4-1-1/2 Ton	Rubber Glove Style	3'	6'	12.5 lbs.
PSC3090452	3/4-1-1/2 Ton	Hotstick Hooks & Handle Style	3'	6'	13.5 lbs.

# CHANCE

## Nylon Strap Ratchet Hoists, Mechanical

- For rubber-glove work, select hoist with plastisol cap on handle end
- For hot-stick operations, select hoist with swivel eye on handle end
- All models have hot-stick rings on hooks and latches
- Single strap of 1-ton units reaches and lifts farther
- 2-Ton units employ a sheave-mounted hook in a double-strap becket

Chance #	Rating	Description	Standard Lift Distance	Handle Length	Weight
PSC3090323	1 Ton	Rubber Glove Style	5'9"	22"	12.75 lbs.
PSC3120000	2 Ton	Rubber Glove Style	3'9"	36"	14.5 lbs.







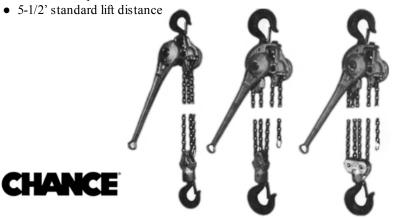
Columbus McKinnon#	Number of Chains	Lift	Weight Capacity	Min. Distance Between Hooks	Handle Length	Min. Increment	Weight
AG	One	56"	1,500 lbs.	13"	18-3/4"	.624/.313"	14 lbs.
ATG	Two	60"	3,000 lbs.	15"	18-3/4"	.313/.156"	17 lbs.
FTG	Two	60"	6,000 lbs.	16"	27-5/8"	1.0/.5"	25 lbs.
ZG-6	Four	53"	12,000 lbs.	25"	33-5/8"	0.25"	59 lbs.

## **G Series Coffing Hoist, Ratchet Lever**

- Riveted construction for tamperresistance
- Handle stops prevent handle from spinning if it's accidentally released by operator
- Free chaining mechanism allows quick and easy take-up and positioning of slack chain
- Snap hook and links allow the operator to convert unit to next small capacity to give longer lift and faster operation, snap hooks acts as an end stop

#### Ratchet Chain Hoists, Link Chain Style

- High-strength 20" handle and sheave housings are heat-treated aluminum
- All working parts fully enclosed in housing unit
- High-strength alloy steel chain
- Forged steel load hooks with automatic spring-loaded latches
- Two-way handle
- Rounded stop on handle end



3 Ton

4-1/2 Ton

6 Ton

Chance #	Rating	Handle Pull at Rating	Hook-to- Hook Minimum	Weight
C3090438	3/4 Ton	65 lbs.	11"	14 lbs.
3011S	1 Ton	90 lbs.	11"	14 lbs.
C3090439	1-1/2 Ton	60 lbs.	16"	22 lbs.
4012	2 Ton	90 lbs.	11"	28-1/2 lbs.
C3090440	3 Ton	60 lbs.	19-3/4"	30-1/2 lbs.
C3090441	4-1/2 Ton	70 lbs.	24-1/2"	47 lbs.
C3090442	6 Ton	70 lbs.	24-1/2"	50 lbs.



## Standard Kelly Bar Adapters with Bent Arm Pin

- For installing torques up to 10,000 ft-lb.
- Has six holes for 1/2" bolts on a 5-1/4" bolt circle
- Comes with six 1/2" Grade 5 bolts, nuts, lock washers and bent arm pin with coil lock
- Hex bar shape

Chance #	Description
P630013	2"
630011HD	2-1/2"
P630012HD	2-5/8"





Chance #	Description
C1021583 7' C1020595 3-1/2'	Standard Drive-End Wrench Installs 8,000 ft-lb and 10,000 ft-lb Tough One Anchors, 4,000 ft-lb and 6,000 ft-lb PISA Anchors
C3031064 7' C3031063 3-1/2'	Hybrid Drive-End Wrench Installs 10,000 ft-lb Tough One Anchors, 6,000 ft-lb PISA 6 Anchors and 7,000 ft-lb PISA 7 Anchors
C630027	3-1/2' Extension, Fits Std & Hybrid Drive-End Wrenches
C630028	7' Extension, Fits Std & Hybrids Drive-End Wrenches

Chance #	Description
С3030069Н	Complete Standard Locking Dog Assembly
C3030070	Locking Dog Replacement Kit Includes Parts Needed to Replace Both Locking Dogs

## **Standard Locking Dog Assembly**

- For installing torques up to 10,000 ft-lb.
- Has six holes for 1/2" bolts on a 5-1/4" bolt circle
- Comes with six 1/2" Grade 5 bolts, nuts and lock washers

Standard and Hybrid Drive-End Wrenches



Chance #	Description
C3030983	7' Installs 10,000 ft-lb Tough One Anchors and all 1-1/2" Core Anchors
C3030982	3-1/2' Installs 15,000 ft-lb Large Hub, Tough One Anchors
C3030987	3-1/2' Extension for Tough One Drive-End Wrench
C3030988	7' Extension for Tough-One Drive-End Wrench

**Tough One Drive-End Wrenches** 

# CHANCE



## Adapters for Installing SS or RR Anchors

- Slide into locking dog adapter and are retained by spring loaded dogs
- Each comes with bolts, nuts and lockwashers
- Requires appropriate kelly bar adapter (sold separately)

Chance #	Description
C3030020	SS5/SS150/RR Drive Tool, Fits Standard Locking Dog Assembly
C3031035	SS5/SS150/RR Drive Tool, Fits Tough One Locking Dog Assembly
T3031403	SS175 Drive Tool, Fits Tough One Locking Dog Assembly
C3031077	SS200 Drive Tool, Fits Tough One Locking Dog Assembly





Chance #	Description
639001	SS5/SS150/RR Drive Tool, Six 1/2" Holes on 5-1/4" Bolt Circle
C3030195	SS175 Drive Tool, Twelve 5/8" Holes on 7-5/8" Bolt Circle
C3030201	SS200 Drive Tool, Twelve 5/8" Holes on 7-5/8" Bolt Circle

#### Adapters for Installing SS or RR Anchors

- Includes proprietary alignment window
- Each come with bolts, nuts and lockwashers
- Requires appropriate kelly bar adapter (sold separately)

## **Shear Pin Torque Limiter**

- For installing torques up to 10,000 ft-lb.
- Offers protection for anchors and installing tools by disconnecting power when the installing torque reaches a pre-selected level
- Useable in very rocky soil
- Does not require special storage or handling
- Top and bottom each has 6 holes tapped 1/2"-13 on a 5-1/4 bolt circle
- Each shear pin provides 500 ft-lb. of torque

Chance #	Description
C3030044	Shear Pin Torque Indicator
C3030045	1 Carton of Shear Pins (Approx 1,700 Pins)
T3031420	1 Box of Shear Pins (Approx 510 Pins)









OshKosh#	Description	Weight
2050	Post Hole Digger, 8' Split Handle	14 lbs.
2050A-8	8' Split Replacement Handle	8 lbs.
20510-10	Post Hole Digger, 10' Split Handle	
2050A-10	A-10 10' Split Replacement Handle	
2050-12 Post Hole Digger, 12' Split Handle		18 lbs.
2050A-12	12' Split Replacement Handle	11 lbs.

## Split Handle Post Hole Digger

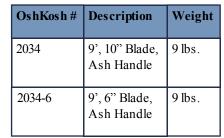
- Special alloy steel welded blades
- Digger blades make 6" circle
- Used with a front to back movement

## Solid Handle Post Hole Digger

- Special alloy steel welded blades
- Digger blades make 6" circle
- Handles start together and are then pulled apart when in use

Os hKos h#	Description	Weight
2051	Post Hole Digger, 8' Solid Handle	15 lbs.
2051A-8	8' Solid Replacement Handle	8 lbs.
2051-10	Post Hole Digger, 10' Solid Handle	16 lbs.
2051A-10	10' Solid Replacement Handle	9 lbs.
2051-12	Post Hole Digger, 12' Solid Handle	18 lbs.
2051A-12	12' Solid Replacement Handle	11 lbs.







## **Straight Master Shovel**

- Ash hardwood handles
- Carbon steel blades with boron
- Handles are marked with footage to indicate depth of hole



- Front turn step shovel
- 48" fiberglass handle
- Cushion grip

Seymour Midwest#	Description	Weight
S600	Round Point Shovel	5.6 lbs.







OshKosh#	Description	Weight
2024	8' Master Spoon	10 lbs.
2025	9' Master Spoon	10 lbs.
2026	10' Master Spoon	12 lbs.
2027	12' Master Spoon	14 lbs.

SHĮOSH

## Tamp Bars

• Wood handled, heavy weight straight steel boot

OshKosh#	Description	Weight
1055	8' Tamp Bar	9 lbs.



Dixie #	Diameter	Handle Length
06250	2-1/2"	4-1/2'
06252	Replacement Handle	4-1/2'
06260	2-1/2"	5'
06262	Replacement Handle	5'
06380	2-3/4"	6'
06382	Replacement Handle	6'

#### **Cant Hook with Extension Toe Ring**

Spoon Shovels

• Made of high-carbon steel

mud, water and backfill
Handles have footage marks to indicate depth of the hole

• Scoop like shape allows cleaning of

- Manufactured from the highest quality materials
- Handles are top quality straight grain white mountain hickory hardwood, kiln dried to 18% moisture content, then precision cut to an exact fit
- Duckbill hooks are drop forged with the bills ground to a fine point
- Clasps and extension toe rings are ductile iron castings for a long lasting service

## **Cant Hooks**

- Hard maple wood handles
- High carbon steel hooks heat treated for strength and durability
- Hook stop to prevent the hook from falling back and damaging the handle
- Hook 479 (3-1/2" x 8" duckbill), Hook 480 (3-1/2" x 9" duck bill)

Os hKos h#	Description	Weight
199A	2-1/4" x 4', 479 Hook	7 lbs.
199	2-1/2" x 4', 479 Hook	9 lbs.
200A	2-1/4" x 4-1/2', 479 Hook	8 lbs.
200	2-1/2" x 4-1/2', 480 Hook	9 lbs.
201	2-1/2" x 5', 480 Hook	9 lbs.







Hastings #	Description
6705	Cant Hook with 36" Fiberglass Handle, 6.0 lbs.

## Fiberglass Handle Cant Hook

- High strength forged steel hook
- 1-3/4" Diameter fiberglass handle is easily gripped when wearing gloves
- Supplied with heavy-duty base cap to protect butt end
- Protective metal sleeve on head eliminates wear
- Knuckle guard to protect hand if hook swings back to pole

## Round Crow and Digging Bar

- High carbon steel
- 2" Chisel on one end
- Pointed on other end

Os hKos h #	Description	Weight
1065	1-1/8" x 8"	27 lbs.





Dixie #	Diameter	Max Opening
40008	3/4"	16"
40218	1"	20"
40228	1"	25"

## **Alloy Steel Timber Lifting Tong**

- Certified and proof tested alloy products should be used for overhead lifting
- Dixie Industries upset forges round alloy steel for optimum tensile strength and durability
- Proof loaded to two times the working load limit then affixed with a permanent metal identification tag
- Lifting tongs are supported by either screw pin shackle or a nut and bolt safety shackle with a ring
- Tong shape has been designed to provide a sure grip on poles and logs
- Painted bright orange for job site identification

#### **Pole Cant Tool**

- For turning fiberglass, concrete, metal and wood poles during installation
- Nylon strap is coated to grip pole surface
- Heavy duty ratchet has extra wide handle for easy operation when wearing gloves
- Poles can be turned in both positions without reinstalling the tool
- 48" Long x 2" diameter fiberglass handle with solid foam core

Hastings #	Description
6856	Pole Cant Tool with Heavy- Duty Ratchet Binder and 6' Nylon Strap, 10.0 lbs.
6856-3	Pole Cant Tool with Heavy- Duty Ratchet Binder with 8' Nylon Strap, 10.2 lbs.
6856-5	Pole Cant Tool with Heavy- Duty Ratchet Binder and 10' Nylon Strap, 10.4 lbs.







Chance #	Description
C3020003	Tamping Bar

## **Expanding and Tamping Bar**

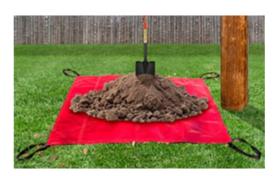
- Curved head distributes weight of the bar evenly around the anchor rod
- Hook wraps around the anchor rod
- Effectively used for tamping in soil above the installed anchor
- Base casting attached directly to the fiberglass handle
- Length: 10'

## Rowdy's DirtBall Jobsite Debris Tarp

- Made of heavy-duty, rubberized canvas
- Equipped with lifting handles
- Rated for 1,000 lbs. of jobsite debris and dirt

Lewis #	Description	
RDB-8x8-18	8' x 8' with 18 oz. Canvas	







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Chance #	Description
C6000785	Cutout Grounding Clamp
C6000862	Cutout Grounding Clamp w/L Stud
C6000841	"L" Stud Terminal Only

## **Cutout Grounding Clamps**

- Bronze clamp used to ground bottom hinge contact on cutouts
- Can be installed with or without grounding cable
- Clamp's drilled terminal accepts threaded-stud cable ferrules
- Also accepts threaded L-stud and T-stud terminals, 3/4" diameter bronze



## **Apparatus Grounding Clamps**

- For restricted-space applications and as a truck grounding system
- Wide range of switching equipment applications
- Clamp bodies, eye screws and ball-studs are bronze alloy
- Continuous current: 400 amps

Chance #	Description	ASTM Grade/Class	Mainline Range Min/Max
C6002101	Apparatus Grounding Clamp, Tapped for 5/8-11 UNC Threaded Ferrule	5/A	#2 to 4/0 with Threaded Ferrule
C6002300	Apparatus Grounding Clamp with Pressure Terminal	5/A	#2 to 4/0 with Pressure Terminal



Chance #	ASTM Grade/ Class	Mainline Range Min/Max
G3605-1	5/A	#6 Sol Cu162" to 2" OD Bus

## **Grounding Clamp**

- Aluminum body
- Smooth jaws
- Bronze eye screw
- Continuous current AMPS 4000
- Weight: 1.715 lbs.

#### **All-Angle Grounding Clamps**

- Aluminum bodies with serrated jaws
- For installation ease, jaws pivot 75° left or right

Chance #	Description	ASTM Grade/Class	Mainline Range Min/Max
G42291SJ	Pressure Terminal All- Angle Grounding Clamp	5/B	#2 Cu .258" to 954 kemil ACSR 1.196"
C6001732	All-Angle Grounding Clamp Tapped for 5/8- 11 UNC Threaded Ferrule	5/B	#2 Cu .258" to 2-1/2" IPS 2.88"





## **Tower and Flat-Face Grounding Clamps**

• Continuous current: 400 RMS Amps

Chance #	Description	ASTM Grade/Class	Mainline Range Min/Max
C6001735	Aluminum Body, Serrated Jaws, Bronze Eyescrew w/Fine Threads, Tapped for 5/8-11 UNC Threaded Ferrule	3/B	1/8" to 1-1/2" Angles, 1-1/2" Flat
T6001798	Aluminum Body, Serrated Jaws, Bronze T-Handle w/Acme Threads, Tapped for 5/8-11 UNC Threaded Ferrule	3/B	1/8" to 1-1/2" Angles, 1-1/2" Flat
C6002231	Bronze Body, Serrated Jaws, Bronze T-Handle w/Acme Threads Drilled for 5/8-11 UNC Threaded Ferrule, Tower & Flat-Face Grounding Clamp	5/B	1/8" to 1-1/2" Angles, 1-1/2" Flat
C6002232	Bronze Body, Serrated Jaws, Bronzed Eye screw w/Acme Threads, Drilled for 5/8-11 UNC Threaded Ferrule, Tower & Flat-Face Grounding Clamp	5/B	1/8" to 1-1/2" Angles, 1-1/2" Flat
G33633SJ	Aluminum Body, Serrated Jaws, Bronze Eyescrew w/Fine Threads, Bronze Pressure-Type Terminal, Tower & Flat-Face Grounding Clamp	3/B	1/8" to 1-1/2" Angles, 1-1/2" Flat
G33634SJ	Aluminum Body, Serrated Jaws, Bronze T-Handle w/Fine Threads, Bronze Pressure-Type Terminal, Tower & Flat-Face Grounding Clamp	3/B	1/8" to 1-1/2" Angles, 1-1/2" Flat





## **C-Type Grounding Clamps**

• Continuous current: 400 RMS Amps

Chance #	Description	ASTM Grade/Class	Mainline Range Min/Max
C6002271	Bronze Body, Smooth Jaws, Bronze Eyescrew with Fine Threads, Tapped for 5/8-11 UNC Threaded Ferule, C-Type Grounding Clamp	5/A	#6 Sol Cu .162" to 1033 kcmil ACSR 1.25"
C6002276	Aluminum Body, Serrated Jaws, Bronze Eyescrew with Acme Threads, Bronze Pressure-Type Terminals, C-Type Grounding Clamp	5/B	#8 Sol Cu .128" to 1033 kcmil ACSR 1.25"
T6002708	Aluminum Body, Serrated Jaws, Bronze Eyescrew with Acme Threads, Tapped for 5/8-11 UNC Threaded Ferrule, C-Type Grounding Clamp	5/B	#8 Sol Cu .128" to 1033 kcmil ACSR 1.25"
C6001743	Aluminum Body, Smooth Jaws, Bronze Eyescrew with Fine Threads, Tapped for 5/8-11 UNC Threaded Ferrule, C-Type Grounding Clamp	5/A	#6 Sol Cu .162" to 1000 kcmil Cu 1590 kcmil ACSR 1.50"
C6002281	Aluminum Body, Smooth Jaws, Bronze Eyescrew with Acme Threads, Bronze Pressure-Type Terminal, C-Type Grounding Clamp	5/A	#6 Sol Cu .162" to 2" OD Bus
C6002255	Aluminum Body, Smooth Jaws, Bronze Eyescrew with Acme Threads, Tapped for 5/8-11 UNC Threaded Ferrule, C-Type Grounding Clamp	5/A	#6 Sol Cu .162" to 2" OD Bus
T6000658	Aluminum Body, Smooth Jaws, Bronze Eyescrew with Acme Threads, Drilled for 5/8-11 UNC Threaded Ferrule, C-Type Grounding Clamp	5H/A	#6 Sol Cu .162" to 2" OD Bus





## Snap-On (Duckbill-Type) Grounding Clamps

• Continuous current: 400 RMS Amps

Chance #	Description	ASTM Grade/Class	Mainline Range Min/Max
C6001734	A luminum Body, Smooth Jaws, Bronze Eyescrew with Fine Threads, Tapped for 5/8-11 UNC Threaded Ferrule, Snap-On Grounding Clamp	5/B	#6 Sol Cu .162" to 566 kcmil Cu 900 kcmil ACSR 1.162"
C6000434	Aluminum Body, Serrated Jaws, Bronze Eyescrew with Fine Threads, Bronze Pressure-Type Terminal Snap-On Grounding Clamp	5/B	#6 Sol Cu .162" to 950 kemil Cu 1510 kemil ACSR 1.506"
C6000197	Aluminum Body, Serrated Jaws, Bronze Eyescrew with Acme Threads, Tapped for 5/8-11 UNC Threaded Ferrule, Snap-On Grounding Clamp	5H/B	#6 Sol Cu .162" to 950 kemil Cu 1510 kemil ACSR 1.506"





# CHANCE

## **Aluminum Grounding Clamps**

Salisbury#	Description	ASTM Grade/Class	Main Line Range	Continuous Current Rating
2553	1.66" A luminum Duck Bill Clamp, Spring Loaded, "V" Thread	5/B Serrated Jaw	1590 MCM ACSR to #6, 1.65"16"	400 RMS Amps, 60 HZ
1895	1.5" Aluminum "C" Clamp w/Flat Lower Jaw, ACME Thread, Eye w/Strain Relief Sleeve	5/B Serrated Jaw	1431 MCM ACSR To #6	400 RMS Amps, 60 HZ
78000	Pin Threaded, Stainless Steel Eye w/Contact Stud	5/A Smooth Jaw	.125"-1.63"	





78000

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## **Grade 5H Clamps**

- Meets requirements of ASTM F855, Table 2
- Rated for increased asymmetrical currents
- For 4/0 copper grounding cable, 47kA for 15 cycles; X/R=30

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Salisbury#	Description	ASTM Grade/Class	Main Line Range	Continuous Current Rating
4295	2.4" Bronze "C" Clamp w/Flat Smooth Lower Jaw, Acme Thread, Eye	5H/A	2.0" IPS to #6, 2.4"16"	400 RMS Amps 60 Hz
2991	6.62" Adjustable Aluminum "C" Clamp for Round, Square, Rectangle or "H" Section Substation Buses, w/Flat Lower Jaw, Acme Thread, Eye	5H/A	6.12" IPS, 6.62"4"	400 RMS Amps 60 Hz
21953	3.5" Aluminum "C" Clamp for Substation Buses, Acme Thread, Eye Smooth Jaw w/Flat Lower Jaw	5H/A	3.0" IPS to #6, 3.5"16"	400 RMHS Amps 60 Hz
20882	Aluminum 2 "C" Clamp w/Curved Serrated Lower Jaw, Eye	5H/B	3,000 MCM ACSR to #6, 2"16"	400 RMS Amps 60 Hz
21074 Aluminum 2 "C" Clamp w/Curved Smooth Lower Jaw, Eye 5H/A 3,000 MCM ACSR to #6, 2"16		400 RMS Amps 60 Hz		
2567	Heavy-Duty Bronze "C" Type Flat Jaw Clamp for Flats & Angles, Serrated Jaw  Serrated Jaw  Angles & Flats: 2.5"-4" WX, Rounds: .25"75" Tap Size 5/8"- 11 UNC Max Cable Size 4/0 Type V Compression Ferrules			
22675	1" Ball Stud "C" Clamp w/Strain Release	5H/A	1.5"16"	400 RMS Amps 60 Hz











**Description** 

**ASTM 885** 

Standards

Meets or Exceeds

#### **Substation Ground Clamps**

• Hanger studs enable substation maintenance crews to utilize their portable grounds on large bus by providing a fault current rated hanger stud as part of the clamp

Hastings #	Description
21056	Bronze, Grade 5, 1-1/4" -5" OD Main Line Range
21057	Aluminum, Grade 5, 1/0 STR .398"-6.625" Diameter Main Line Range





Hastings #	Description
13765	Clear, Medium Range to 556 ACSR
13768	Clear, Large Range to 954 ACSR

Hastings #

10478

#### **Mechanical Jumper Clamps**

- Thrust bearing design provides low friction for tightening clamp
- Bronze clamping rings have serrated contact surface to insure good electric contact with conductors
- Grip tabs are molded in for easy gripping with rubber gloves
- Rated for 400A continuous current maximum rating (dependent on the rating of the jumper cable used with the clamps)





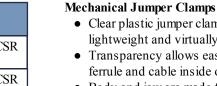
# **Duckbill Ground Clamp**

- Spring-loaded, Snap-on Design
- Aluminum Body
- Bronze Eye Screw with Acme Threads
- Smooth Jaws
- Stainless Steel Cable Clamp
- Utilized bolted terminal connection

Salisbury#	Description
1785	#6 Solid to 477 ACSR
2115	#6 Solid to 954 ACSR

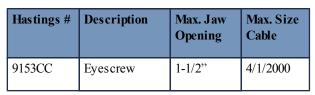


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- Bolted terminal
- Weight: 3.5 lbs.





• Clear plastic jumper clamps are compact, lightweight and virtually unbreakable Transparency allows easy inspection of the ferrule and cable inside of the handle • Body and jaw are made from copper based alloy







Hastings #	Description
3477	Fiberglass, 12" Shaft, 1/2" Hanger Bar

#### Insulated Jumper Holder

- Designed to provide the lineman safety when installing and removing energized jumpers
- Allows linemen greater control with all jumpering requirements
- Can be installed with all standard shotgun sticks or rubber gloves



## Copper Unshrouded Ferrules

- Designed for use with all grounding clamps that feature pressure terminals including the 1" duckbill and 1.5" flat jaw clamp
- Crimped on the conductor strands only
- 99.5% pure copper

Salisbury#	Description
24421	1/0, Strand Die Codes: 50
24422	2/0, Strand Die Codes: 60
24423	4/0, Strand Die Codes: 66







Salisbury#	Grade	Size
2022	1	#2
2023	2	1/0
2024	3	2/0
2025	5	4/0

## **Threaded Unshrouded Grounding Ferrule**

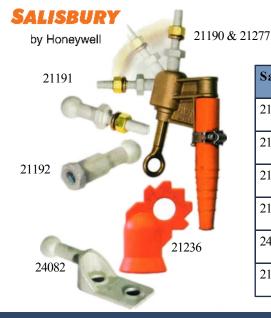
- Provides low resistant connection to cable strands with threaded stud that screws into a clamp
- Manufactured with a 5/8-11 UNC threaded stud

## Support Stud

- Can be installed on most ground clamps
- Replaces restraining strap immediately below terminal
- Serves as a mechanical parking stand for a second clamp

Chance #	Description
G3626	Stud for Rear Mount





Salisbury#	Description
21190	Ball Stud/C Clamp w/Strain Relief Sleeve
21277	Ball Stud/C Clamp w/o Strain Relief Sleeve
21191	4.38" Short Ball Stud
21192	6.13" Long Ball Stud
24082	4" Internal Thread Ball Stud
21236	Cover for Ball Stud

#### Ball & Socket System and Ball Studs

- Universal clamp that can be used as 1" ball stud and 1-1/2" C clamp
- ASTM Grade 5
- Continuous current rating (amps, RMS, 60 Hz): 400
- Ball studs allow for variable angle accessibility



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#### **Ball Studs**

- For restricted-space applications and as a truck-grounding system
- Delivers a high-current rating usually associated with only large clamps
- Applies to a wide range of switching equipment

Chance #	Description
C6002102	4-1/4" Overall Length, 5/8" Diameter Ball Stud
T6002364	7" Overall Length, 5/8" Diameter Long Ball Stud







Chance #	Description
C4060416	Grounding Stud Cover

#### **Grounding Stud Cover**

- Non-conductive cover
- Not intended for personnel protection and should not be considered as insulative cover-up equipment
- Resilient ozone/corona-resistant thermo-plastic elastomer does not absorb water
- Resists aging/checking and retains high-visibility orange color
- Snap-fit keeps cover in place
- 5/8" ID Loop at top permits hot-line tolls to "pop" it on and off

## Cluster Support, 1-Terminal Type

- Hangs grounding sets on the pole to facilitate lifting clamps
- Accepts plain ferrules on #2 to 4/0 grounding cable
- Copper bar length is 11"

Chance #	Description
C6000152	Ground Cluster Support



# CHANCE



Chance #	Description
T6001549	Pole-Mount Grounding Cluster Bar

#### Cluster Bar

- Compact 5" aluminum-alloy bar (5/8" diameter) accepts C-type or duckbill clamps
- For phase-to-phase grounding technique
- Adjustable wheel binder and 36" chain for pole applications
- Hook style for attachment to tower angles

## **Temporary Ground Rod**

- Screw ground rod provides a temporary ground
- For when a system ground is not available
- Reusable ground rod is copper-clad steel
- Helix and handle are bronze

Chance #	Description
G3370	Screw Ground Rod



CHANCE





# CHANCE

Chance #	Description
C6002989	58" x 58" Kit
C6002990	58" x 120" Kit
C6002991	120" x 120" Kit
C6002850	58" x 58" Mat Only
C6002851	58" x 120" Mat Only
C6002852	120" x 120" Mat Only

## Personal Protective Ground Grid, Pre-Packaged Kit

- For standing on during various energized and de-energized work practices
- Consists of a high-capacity tinnedcopper-braid cable sewn in a grid pattern onto a vinyl/polyester fabric
- Includes:
  - ☐ Ground grid with long ball stud and illustrated instructions
  - ☐ Ground set
  - ☐ Storage bag

#### **Ground Mat**

- Portable mat provides a method to establish an equal potential zone for multiple grounding applications
- Vinyl polyester fabric, with high capacity, tinned-copper braid sewn into a grid pattern
- The copper grid connects to a 6" termination stud on the corner of the mat
- The ground mat is then bonded to the equipment being worked on
- Reversible, easy to store, easy to clean with standard hose pressure

Hastings #	Description
6610	Yellow Mat, 58" x 58"
6615	Yellow Mat, 58" x 120"
6620	Yellow Mat, 120" x 120"
6610-NS	Black Mat, Non-Skid, 58" x 58"
6615-NS	Black Mat, Non-Skid, 58" x 120"
6620-NS	Black Mat, Non-Skid, 120" x 120"









Estex#	Description
2629	25-1/2" x 28-1/2"

#### **Grounding Cluster Bag**

- Red vinyl coated nylon with reinforced bottom
- Inside pocket 20"L x 5"H
- Thick web handles
- Protects grounds and jumpers from moisture, dirt, oil and other contaminants

## **Grounds Flag**

- Hi-Visibility orange grounds flag with two reflective strips on front and back for easy visibility when working at night
- Hook and loop straps for a secure attachment
- Wire attachment for hot line clamp on top and PVC stiffener on bottom
- Includes a space to write truck/radio number and service location

Buckingham#	Description
845403V	17-1/2"H x 16-1/2"W







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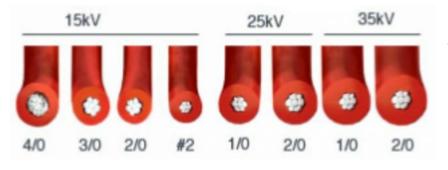
## **Grounding Jumpers**

- Made of extra flexible soft drawn #30 AWG copper
- Yellow jackets shown in table, also available in black or clear

		Short Ciruit Withstand Amps, RMS, 60HZ		Continuous Current		
Salisbury #	Size	Strand Dia.	Jacket	15 Cycles	30 Cycles	Amps, Rms, 60HZ
2136	#2-665W	.35"	.50"	1450	1000	200
2137	1/0-1064W	.45"	.62"	21000	15000	250
2138	2/0-1330W	.49"	.65"	27000	2000	300
2139	4/0-2109W	.62"	.83"	43000	3000	400

## Insulated Jumper Cable

- Lightweight, resistant to oil, heat, moisture, ozone and abrasion
- Embossed every three feet with the conductors size and kV rating





Salisbury #	Size & Str. Awg	KV Rating Ø to Ø	Nominal Ø to GRD	Str. Dia.	O.A. Dia.	Max Amps Continuous
2756	2/0-427W	15	10	.456"	.90"	300
2757	4/0-437W	15	10	.592"	1.01"	400
21060	2/0-427W	25	15	.456"	1.1"	300
4370	2/0-427W	35	20	.48"	1.31"	300





Tulsa#	Min/Max Arbor	Capacity
RT-20	2"/4"	3,000 lbs.
RT-40	3"/6"	4,500 lbs.

#### **Tulsa Power Reel Thing**

- Form pressed all steel construction
- Solid steel bar inserted into the tube assembly rather than common wire rope
- Reel weights supported by a solid core
- Bearing swivel assembly
- Treaded with a special anodizing process to prevent corrosion
- Grease port for periodic lubrication

#### **Handline Hook**

- Constructed from manganese bronze alloy for superior strength
- 600 pounds-maximum safe working load
- 3/4" Eye Opening
- 1" Throat Opening
- Weight: .5 lbs.

Hastings #	Description
P10060	5-1/2" x 3-1/8"





Buckingham#	Description
2406	Handline Hook

#### **Headline Hook**

- Reliable tool to raise and lower material at the work site
- Welded eye and formed hook is rated to 500 lbs.



## **Handline Carrier Hook**

- Nylon handline carrier with a hole to easily secure it to the body belt with a bolt or zip tie
- Will straighten when approximately 14-18 lbs. of pressure is applied to allow the handline to pull free

Buckingham#	Description
2402	Handline Carrier Hook



# CHANCE

Chance #	Description
C4000918	Triple Block without Becket
C4000919	Double Block with Becket

## Glass Fiber Filled Nylon Rope Blocks

- Shells and sheaves made of high dielectric, fiber-filled natural nylon
- Shaft is silicon bronze and sheave bearings are oil-impregnated bronze
- For working-load considerations, blocks are rated as follows:
  - ☐ Single sheave blocks, max 2,000 lbs.
  - ☐ Double sheave blocks, max 3,500 lbs.
  - ☐ Triple sheave blocks, max 3,500 lbs.
- Dielectric rating in dry weather in 30,000 volts between bearing and mounting bolt nut
- Maximum rope size is 1/2"



# Replacement Rope for Handline Block

- 1,000 lb. working load
- Safety orange
- Fiberglass reinforced nylon construction
- Opening body design for easy rigging
- 3" Sheave, 5/8" Rope capacity
- Swivel eye allows 360° rotation
- Pull pin with detent ball for easy opening and securing
- Weight: 1-1/2 lbs.

Eagle Line #	Description
HL-80B	80' in Length
HL-100B	100' in Length





Erin Rope #	SFS#	Diameter	Length	Min. Break Strength
PDTW 160600	1/2X600PLU	1/2"	600'	4,818 lbs.
PDTW 120600	3/8X600PLU	3/8"	600'	2,881 lbs.
PDTW 200600	5/8X600PLU	5/8"	600'	7,214 lbs.



- High tensity polyester fiber wrapped cover over polyolefin core yarns
- Good abrasion resistance and strength
- Meets ANSI & OSHA Standards for fall protection

#### **Block & Tackle with Snap Hooks**

- These are not occupational protective devices
- Not for human support
- Light, galvanized-steel shell blocks are fitted with snubbing hooks to hold the load
- Sheaves are strong, yet are lightweight aluminum alloy with all-bronze bushings

berín rope corporation

- Choice of forged hook No. 258 or swivel hook No. 259
- Hooks fit under insulator and engage pin on cross arm
- Maximum safe load: 750 lbs.
- Furnished with 25' of 3/8" rope
- No. 267 block with standard snap hook and a detachable drop-forged anchor hook (No. 258) on one end, and block No. 268 with eye and rope tie-off hook on other end
- No. H267 block with guarded snap hook and a detachable drop-forged anchor hook (No. 258) on one end and block No. H268 (with guarded snap hook, eye and rope tie-off hook) on other end

Klein Tools #	Description
1802-30	Block & Tackle with Standard Snap Hooks
1802-30S	Same as 1802-30 Except Supplied w/Detachable Swivel Anchor Hook (No. 259) Instead of Hook No. 258
H1802-30	Block & Tackle with Guarded Snap Hooks
H1802-30S	Same as H1802-30 Except Supplied w/Detachable Swivel Anchor Hook (No. 259) Instead of Hook No. 258
H1802-30S S/R	Same as H1802-30S but with Rope Spliced to No. H268 Block









Buckingham#	Description
50061	Ox Block
50061A-4	Ox Block with 4' x 5/8" Adjustable Sling, Aluminum Carabineer
50061A-4/80	Ox Block with 4' x 5/8" Adjustable Sling, Aluminum Carabineer and 80' x 1/2" Handline Assembly

#### Ox Block

- Push button to open, swivel eye, friction bar and gate with audile clicks
- Rope snatch block with an integrated friction bar used for hurt man rescue, lowering loads, snubbing loads and raising loads
- Allows the rigging professional to handle loads with greater control
- Replaces standard handline blocks, parted blocks and various snatch blocks
- Has greater working load limits than blocks of similar size
- For synthetic ropes only, not to be used with wire rope or natural fiber ropes

#### **Hand Line Blocks**

- Block and sheave constructed of rugged nylon fiberglass reinforced high dielectric material
- Reinforced 1/2" diameter axle and swivel bearings
- 3" Sheaves-block can accommodate rope up to 5/8" diameter
- Provided with either side opening or closed block
- Blocks are rated with 3-1 safety factor
- Working load limit 1,000 lbs.

Hastings #	Description
3550	3" Sheave Block, Side Opening, Swivel Hook and Safety Snap
3551	3" Closed Sheave Block, Swivel Hook and Safety Snap

Klein Tools #	Description
267	Plain Block
H267	Plain Block, Nose Extends Over Keeper
268	Block w/Eye to Splice Line to Block & Rope Tie-Off
H268	Block w/Eye to Splice Line to Block & Rope Tie-Off, Nose Extends Over Keeper







#### Snap Hook

- General purpose forged snap hook with eye at 90° to opening
- Maximum safe load: 1,500 lbs.
- 1" Eye I.D.

Klein Tools #	Throat Opening	Overall Length
443A	1/2"	5-1/2"



Klein Tools #	Throat Opening	Overall Length
470	5/8"	5"

#### Blocks

- Blocks without ropes and hooks
- Made of light, galvanized steel and aluminum alloy
- Sheaves have bronze bushings



#### Swivel Hook with Plunger Latch

- Forged steel with swivel clevis and quick-acting plunger-style latch
- Designed to take 1/2" or lighter hand lines
- Swivel action prevents accidental fouling into secondary wires
- Maximum safe load: 750 lbs.
- 1-3/16" x 1" Swivel opening



#### **Anchor Hook**

- Forged hook is designed to slip under insulator and engage pin of cross arm
- Standard on Klein block and tackle 1802-30 and H1802-30
- Maximum safe load: 750 lbs.
- 5/8" Eye I.D.

Klein Tools #	Throat Opening	Overall Length
258	1-7/8"	5-1/2"





Klein	Throat	Overall
Tools #	Opening	Length
259	1-7/8"	6-1/2"

#### **Swivel Anchor Hook**

- Swivel clevis on this forged hook will engage with snap on Klein block and tackle 1802-30 and H1802-30
- Swivel prevents twisting and kinking of rope
- Maximum safe load: 750 lbs.
- 1-3/16" x 1" Swivel opening

# Swivel Snap Hook

- Bronze swivel snap hook made for use on canvas buckets
- Maximum safe load: 150 lbs.
- 3/4" Eye I.D.
- 4-3/8"L x 1-5/8"W

Klein	Throat	Overall
Tools #	Opening	Length
2012	5/8"	5"





Klein Tools #	Description
1702-20N	Klein-Kord Strap, 1" x 7'

## **Howe Wire Tool**

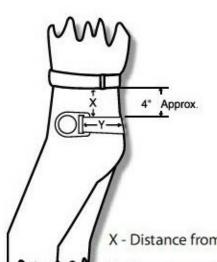
- Strap is made of tough Klein-Kord
- Swivel hook is forged steel with large opening
- Shank of hook is lengthened to reach under insulator
- Other end has cam-lock to hold the load at any distance
- All metal parts are galvanized
- Maximum safe load: 500 lbs.

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## **Fall Protection Sizing**

**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 1" (25 mm) for non padded belts and 2" (50 mm) for padded belts so that the dee ring heels are just forward of the hip bones and 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 below.





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.

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



## **Fall Protection & Climbing Equipment**

Bashlin #	D-Ring Size
160NL-D18	D18
160NL-D20	D20
160NL-D22	D22
160NL-D24	D24
160NL-D25	D25
160NL-D26	D26
160NL-D28	D28







The Journeyman Body Belt

Semi-floating, shifting "D" saddle
Leather rolled-edge cushion
Leather tongue, two D-ring

Bashlin#	D-Ring Size
88-D22	D22
88-D23	D23
88-D24	D24
88-D25	D25
88-D26	D26

## The Floridian Body Belt

- Padded, contour cushion section
- Flares for the shifting D-rings
- 5-1/2" Back gives support
- Hand-laced top-quality leather

# 2019M Lightweight Full Float Body Belt, 4 D-Ring

- Dri-lex lined
- Stacked dee rings
- Two large full float double bar dee
- Two small dee rings
- Back support, no gut strap





Buckingham#	Dee Size	Belt Strap
2019M-D23	23"	38"-46"
2019M-D24	24"	40"-48"
2019M-D25	25"	41"-49"
2019M-D26	26"	42"-50"
2019M-D27	27"	44"-52"
2019M-D28	28"	45"-53"
2019M-D29	29"	46"-54"
2019M-D30	30"	47"-55"



# Fall Protection & Climbing Equipment





Buckingham#	Dee Size	Belt Strap
20182M-D22	22"	37"-45"
20182M-D23	23"	38"-46"
20182M-D24	24"	40"-48"
20182M-D25	25"	41"-49"
20182M-D26	26"	42"-50"
20182M-D27	27"	44"-52"
20182M-D28	28"	45"-53"

## 20182M Buck Mobility Belt, 4 D-Ring

- No lower strap which provides the mobility and freedom of movement
- 9" high fully padded body
- Lined with quality ultra-soft leather
- Two full float lower primary dee rings
- Two small upper dee rings for secondary lanyard
- Replaceable man rated upper strap

Buckingham#	Dee Size	Belt Strap	Color
2000EM-BL-D20	20"	34"-42"	Black
2000EM-BL-D22	22"	37"-45"	Black
2000EM-BL-D23	23"	38"-46"	Black
2000EM-BL-D24	24"	40"-48"	Black
2000EM-BL-D25	25"	41"-49"	Black
2000EM-BL-D26	26"	42"-50"	Black
200EM-BR-D20	20"	36"-44"	Brown
200EM-BR-D22	22"	37"-45"	Brown
200EM-BR-D23	23"	38"-46"	Brown
200EM-BR-D24	24"	40"-48"	Brown
200EM-BR-D25	25"	41"-49"	Brown
200EM-BR-D26	26"	42"-50"	Brown

## 2000EM Full Float Body Belt, 4 D-Ring

- Hand crafted of the highest quality leather
- 5-1/2" foam cushioned pad reinforced with rawhide lace
- Belt strap is leather with a nylon center to provide strength and longer life
- Four floating in-line dees provide a 4" lateral movement to reduce wear on the pole strap
- To order two D-ring style specify 2000M and size





## Fall Protection & Climbing Equipment

## EZ Rider, Four D-Ring Belt

- Ergonomic, contoured design allows the belt to be worn comfortably and correctly, without compromising safety
- Supports the lower abdomen, reducing leg discomfort and numbness
- Dramatically improves "on the pole" comfort
- Easily connects pole lariats, pole chokers and similar WPFRDs
- Black leather, nylon cushion





Buckingham#

Bashlin#	D-Ring Size
88UX4DMP-D18	D18
88UX4DMP-D20	D20
88UX4DMP-D22	D22
88UX4DMP-D23	D23
88UX4DMP-D24	D24
88UX4DMP-D25	D25
88UX4DMP-D26	D26
88UX4DMP-D27	D27
88UX4DMP-D28	D28

## **Four D-Ring Tool Belt**

- Has all the long wearing qualities and a soft cushion for the "broken in" feel
- Features a nylon upper tongue with a quick release buckle or easy donning and adjustment
- D-Rings are sturdy enough to carry a strap, secondary lanyard or wood pole fall restricting device without getting "droopy"
- Black leather



BASHLIN INDUSTRIES, INC.

Bashlin#	D-Ring Size
Q88GX4DCC-D18	D18
Q88GX4DCC-D20	D20
Q88GX4DCC-D22	D22
Q88GX4DCC-D23	D23
Q88GX4DCC-D24	D24
Q88GX4DCC-D25	D25
Q88GX4DCC-D26	D26
Q88GX4DCC-D27	D27
Q88GX4DCC-D28	D28

2018M Lightweight Full Float Body Belt, 4 D-Ring	

- Dri-lex lined
- Two large full float double bar dee
- Two small dee rings
- Removable man rated gut strap



Dee Size

Belt Strap







#### Pole Gaff Maintenance Kit

- Tools and gauge for inspecting and performing pole gaff maintenance
- Includes:
  - ☐ Smooth single cut file (6058)
  - ☐ New and improved pole gaff gauge (6303); can now gauge CCA gaffs
  - ☐ Finishing hone (6501)

Buckingham#	Description
6025	Pole Gaff Maintenance Kit







Buckingham#	Description
3502C	Angled, Metal Insert
3504C	Straight, Metal Insert

#### Cushion Wrap Pad with Cinch Loop & Insert

- Hook and loop pad that features a continuous wrap with a cinch loop and metal insert
- Strap 4" wide

#### Big Buck Wrap Pad

- Increased surface area to distribute pressure
- Thick, comfortable pad
- Moisture wicking Dri-lex lining
- Adjustability of hook and loop wrap
- Steel "C-Pad" insert for proper climber shank position
- Cinch loop to provide an extra tight fit
- Rolled edge to prevent chafing

Buckingham#	Description
3202C	Big Buck Wrap Pad





Buckingham#	Description
3500	Cushion Wrap w/Metal Insert
3500C	Cushion Wrap with Cinch Loop, No Metal Insert

#### Cushion Wrap Pad

- Hook and loop pad with Velcro
- 3/4" Padding
- Strap 4" wide

#### Climber Pad

- 'L' Tunnel pad has a soft 3/4" cushion sandwiched between two pieces of leather
- All leather construction with 3/4" padding
- Three loops and a tunnel design to keep climber stationary

Buckingham#	Description
3125	Climber Pad







Buckingham#	Size
6263-S	Small, 28"-32"
6263-M	Medium, 32"- 36"
6263-L	Large, 36"-40"
6263-XL	X-Large, 40"-44"

### Man Rated Gut Strap

- Able to be used with any two dee body belt and is completely adjustable for users comfort
- 5,000 lb. man rated connections
- Leather lined strap
- Standard tongue buckle

#### Standard Buck LineBacker Belt

- Turns a two dee ring body belt into a four dee ring belt
- Permanent abdominal stabilizer strap
- Permanent lumbar pad

Buckingham#	Description
4202-S	Small, 28"-32"
4202-M	Medium, 32"- 36"
4202-L	Large, 36"-40"
4202-XL	X-Large, 40"-44"

# Titanium Contoured Shank Replaceable Gaff Pole Climbers

- Gold colored with chrome colored gaffs and sleeves
- Contoured shank for ankle relief and comfort
- Straight and offset stirrups
- Dowel and screw style replaceable gaffs with 16° angle
- Climber with gaff weights 1 lb. 2 oz.





Buckingham#	Description
TB94089A	Titanium Pole Climber with Offset Stirrup & Nylon Foot Straps (21391)
TB91089A	Titanium Pole Climber with Offset Stirrup, Nylon Foot Straps (21391) & CCA Gaff
TB94059A	Titanium Pole Climber with Offset Stirrup, Nylon Foot Straps (21391), Nylon Leg Straps (2239) & Climber Pads (3122)
TB90089A	Titanium Pole Climber with Straight Stirrup, Nylon Foot Straps (21391) & CCA Gaff

#### **Replacement Gaffs**

- Fit all Bashlin climbers with replaceable gaffs
- New screw for replacement are included
- Sold in pairs

Dasiiiii #	Description
14	Replacement Gaffs, Unpolished 1-5/8" for Poles
14P	Replacement Gaffs, Polished 1-5/8" for CCA Poles
14T	Replacement Gaffs, Unpolished 2-1/2" for Trees







Bashlin#	Description
BD16BC-1N	Bottom Straps Attached, Unpolished Gaffs

#### **BD16BC-1N Climber, Steel Alloy**

- Replaceable gaff
- Offset design
- Twisted shank allows the shank to lie flat on the leg
- Top slide adjustment is 15"-18"
- 18"-21" Adjusting top sliders are available; add "A" to the part number

#### BD16B-1N Climber, Steel Alloy

- Adjustable, with a replaceable gaff
- Offset design
- Roomy ankle area and a triangular strap ring
- Includes #2 gaff guard and #5 gaff gauge standard
- Top slide adjustment is 15"-18"
- 18"-21" adjusting top slides are available; add "A" to the part number

Bashlin #	Description
BD16B-1N	Bottom Straps Attached, Unpolished Gaffs





Bashlin #	Description
BD14-1N	Bottom Straps Attached, Unpolished
BD14P-1N	Bottom Straps Attached, Polished
BD14-2N	Top-Bottom Straps Attached, Unpolished
BD14-4N	Top-Bottom Straps Attached, 130D Pads, Unpolished
BD14-5N	Top-Bottom Straps Attached, 140DS Pads, Unpolished

# **BD-14P Climber, Aluminum Alloy**

- Contour shank with an offset design
- Replaceable polished gaff
- 17° Gaff angle makes this the most forgiving gaff on the market
- Includes #2 gaff guard and #5 gaff gauge standard
- Top slide adjustment is 15"-18"
- 18"-21" Adjusting top slides are available; add "A" to the part number

#### **BD12C-1N Climber, Steel Alloy**

- Simple, riveted non-replaceable gaff
- · Offset design
- Twisted shank allows the shank to lie flat on the leg
- Top slide adjustment is 15"-18"
- 18"-21" Adjusting top slides are available; add "A" to the part number

Bashlin#	Description
	Bottom Straps Attached, Unpolished Gaffs







Bashlin #	Description
2011-36	36" Pole Sling

#### **Pole Sling**

- Made for use with a Grip-All hot stick
- D-Rings are sized so one fits inside the other to choke it on a pole
- Safe working load:
  - ☐ Vertical: 1,000 lbs.
  - ☐ Choker: 1,000 lbs.
  - ☐ Basket: 2,000 lbs.



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#### Polyester Shock Absorbing Lanyard

- Tubular nylon lanyard with shock absorbing core that eliminates the need for a bulky pack
- Meets ANSI Z359.1 performance standards
- Two snaphooks with 3/4" openings and high strength gates
- Complies with ASTM F887 Arc Flash Standards

Bashlin#	Description
2804-4HL	4' Lanyard





Bashlin#	Description
52N-2HL	6' Pole Strap

#### 50 Series Pole Strap

- 6-Ply neoprene coated nylon
- Tongue buckle adjustment
- "Lineman Friendly" snap hooks
- Red wear indicator

#### Buck ComboYard Lanyard

- Tower lanyard that combines the best of multiple common lanyards into one
- 5' Dual tie-back lanyard with wear guard and rescue loops
- 12' Fall ANSI rated shock absorber
- Tie back snaps have a 5,000 lb. rated gate
- Two ANSI 3,600 lb. rated big BuckSnaps

Buckingham#	Description
5V67AQ1	Buck Combo Yard Lanyard







Buckingham#	Description
488R	SuperSqueeze with Rope and Carabiners for Distribution

#### 488R SuperSqueeze

- One handed outer strap adjustment with the WebGrab
- One handed adjustment on the inner strap with the BuckGrab
- Outer strap length: 36"
- Inner material: rope
- Inner material length: 70"

# **BuckAdjuster Lanyard**

- Fully adjustable positioning lanyard
- 1/2" Diameter
- Full red core wear indicator
- Double locking rope snap
- Clear protective tube to help provide maximum rope life
- Stitched eye allows user to minimize length for easy storage
- May also be used as primary work positioning device

Buckingham#	Length
9-6	6'
9-7	7'
9-8	8'







Buckingham#	Description
488RQ4	SuperSqueeze with Rope & Snaps for Distribution

#### 488RQ4 SuperSqueeze

- One handed outer strap adjustment with the WebGrab
- Same one handed adjustment on the inner strap with the BuckGrab
- Outer strap length: 36"
- Inner material: rope
- Inner material length: 70"



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#### 488TW2 SuperSqueeze

- One handed outer and inner strap adjustment with the WebGrab
- Same adjustability as the rope BuckGrab but on web
- Outer strap length: 52"
- Inner material: woven
- Inner material length: 78"

Buckingham#	Description
488TW2	SuperSqueeze with Web and Carabiners for Transmission





Buckingham#	Description
488W2Q3	SuperSqueeze with Locking Snap Hooks for Distribution

#### 488W2Q3 SuperSqueeze

- One handed outer and inner strap adjustment with the WebGrab
- Same adjustability as the rope BuckGrab but on web
- Outer strap length: 36"
- Inner material: woven
- Inner material length: 48"

#### 488W2 SuperSqueeze

- One handed outer and inner strap adjustment with the WebGrab
- Same adjustability as the rope BuckGrab but on web
- Outer strap length: 36"
- Inner material: woven
- Inner materiel length: 48"

Buckingham#	Description
488W2	SuperSqueeze with Web and Carabiners for Distribution





Buckingham#	Length
84V716-S1	6'
8VVR716	6'

#### **Buckyard Stretch Lanyard**

- Elastic bungee
- Reduces 6' lanyard to 44"
- Locking snap hook on one end and web loop on the other end
- 8VV-for full body harness w/steel ring dorsal attachment
- 84V-for full body harness w/web loop dorsal attachment
- S1 Suffix-meets ASTM F887 electric arc performance requirements

#### BuckStop Lanyard

- For full body harness with steel ring dorsal attachment
- 6" shock pad covered by a clear shrink tube
- Fixed length woven nylon with 1706 locking snap hook on both ends

Buckingham#	Length
5VV116	6'







Buckingham#	Description
64V116S2+Z	6'

#### **BuckArrest Lanyard**

- 16" Shock pack covered by water resistant nylon tube
- Meets ASTM F887 electric arc performance requirements
- 3,600 lb. gate and meets ANSI Z359. 12-2009



#### **Buckyard Lanyard**

- Expands to 42"
- 8VV-for full body harness w/steel ring dorsal attachment
- 84V-for full body harness w/web loop dorsal attachment
- S1 Suffix-meets ASTM F887 electric arc performance requirements
- +Z Suffix-all hardware has 3,600 lb. gate and meets ANSI Z359.12-2009
- X6 Suffix-for 6' free fall meeting ANSI Z359.13-2009

Buckingham#	Length
8VV114S1+Z	4'
8VV114.5S1	4.5'
8VV116	6'
8VV116+Z	6'
8VV116S1X6	6'
84V116	6'
84V116S1	6'
84V116+Z	6'
84V116S1+Z	6'





Buckingham#	Length
48129W2Y-6	6'
48129W2Y-7	7'
48129W2Y-8	8'

#### SuperStrap Lanyard

- Features the new patent pending WebGrab for easy adjustment
- Has all the benefits of web combined with the easy adjustment of rope
- Designed to use climbing over obstruction

ylon	Pos	sition	ing S	Strap	with	Ton	gue	Buck	le
_	<b>D</b> 1	3 T							

- 6-Ply Neoprene impregnated strap with tongue buckle
- Excellent abrasion resistance
- Most widely used among utility linemen

Buckingham#	Length	Lockers
386099E	6'	99E
386699E	6'6"	99E
387099E	7'	99E
388099E	8'	99E







Buckingham#	Description
6008-74DV+Z	W/Steel Carabiner-3600 Gate (50051) and Snap Hook (1706)
6008K-74DV+Z	W/Steel Carabiner-3600 Gate (50051) and Snap Hook (1706) Plus Kevlar to Meet ASTM F887

# **BuckLimiter**

- Aluminum alloy construction inside and out
- Tangle free swivel top for added mobility
- 7' Extension for expanded work area
- Braking system designed for smooth consistent operation to prevent "jerky" lock-ups
- Rated to 350 lbs.



#### Nylon Positioning Strap, Slide Buckle

• Neoprene impregnated strap with slide buckl

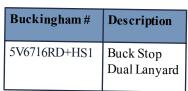


# Climber Strap

- 1" Nylon
- 26" Length

de	346699E	6'6"	99E
	347099E	7'	99E

Buckingham # | Length | Lockers



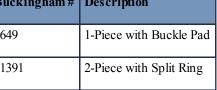
# **Buckstop Dual Lanyard**

• Features two 30342 Big BuckSnaps that fit over a 4" angle

- Locking rope snap attachment
- Red rescue loops facilitate the rescue of an injured worker



Buckingham#	Description
2649	1-Piece with Buckle Pad
21391	2-Piece with Split Ring



Description

Ratchet Boom Strap

#### **Anchorage Ratchet Boom Strap**

- 5,000 lbs. rated
- Designed to be used when your aerial boom truck has no anchor point or your anchor point is in an inconvenient location
- Inside of the strap is lined with gum rubber to eliminate slippage on the bottom
- Ratchet is used to cinch the strap snugly on the boom
- Standard length is 50"



- 1" Eye
- 15/16" Opening
- 6" Long
- 3,600 lb. gate load
- Rated to 5,000 lbs.

Buckingham#	Description
1706	Locking Rope Snap

Buckingham#

3809R







Buckingham#	Description
30342	Large Locking Snap Hook

#### Big Buck Snap

- Larger opening that allows the user to easily connect over 4" single iron
- New design allows for ease of detachment
- Radiused (rounded) inner edge is designed to prevent damage to conductors
- Meets ANSI Z359.12 specification
- 3,600 lb. gate load requirement

#### **Steel Twist Lock Carabiner**

• 4-1/4" Length, 1" opening, 3,600 lb. gate, minimum breaking load-5,000 lbs.

Buckingham#	Description
5005T	Twist Lock Steel Carabiner









Buckingham#	Description
60092	Pole Gaff Guard

#### 60092 Gaff Guard

- Leather pole gaff guard with hook and loop fasteners
- Fits all climbers

#### 6909U Gaff Guard

• Universal coated wire universal pole gaff guard that fits all pole climbers: Buckingham, Bashlin, Klein and Stringer Brooks

Buckingham#	Description
6909U	Coated Wire Universal Pole Gaff







Buckingham#	Description
6909A	Snap On Gaff Guard

#### Snap On Gaff Guard

• Fits all Buckingham replaceable pole gaffs with a 16° angle (A Style)

#### **Leather Gaff Guard**

- Has Velcro top
- Russett leather
- Helps keep gaff edges sharp and protects from cuts or puncture wounds

]	Bashlin#	Description
2	2	Leather Gaff Guard (PR)









Bashlin#	Description
27	Gaff Shaping Kit

BASHLIN INDUSTRIES, INC.

#### Gaff Shaping Kit

- For use on Bashlin Pole Gaffs only
- Includes
  - ☐ Gaff gauge
  - ☐ 6" Mill file with wooden handle
  - ☐ Sharpening stone
  - ☐ Instructions

#### 603S8C700Z12 X-Style Harness

- Split tongue quick connect buckles with leather chafes on the leg straps and at the torso for height adjustment
- Web dorsal loop attachment
- Reinforced web front loop that can be used for rescue or rope/cable grab
- Meets ASTM F887 electric arc performance requirements
- 5 Labels inside leather cover with Velcro wrap (wallet style)
- #3B Harness type with quick connect buckles
- Quick connect buckle leg strap attachment
- Web loop fall arrest attachment
- No body belt attachment or shoulder pads

Buckingham#	Description
603S8C700Z12-S	Small
603S8C700Z12-M	Medium
603S8C700Z212-L	Large





Buckingham#	Description
619951-S	Small
619951-M	Medium
619951-L	Large
619951-XL	X-Large
619951-2X	2-Xlarge

#### 619951 H-Style Summit Lite Harness

- This "H" style full body harness features a Dri-lex shell that fits like a vest
- Patent Pending quick connect buckles on the chest and leg straps, steel dee dorsal attachment
- Spring loaded friction buckles for height adjustment
- Frontal chest dee ring that adjusts up and down independently of the shoulder straps
- Harness is made from Type 13 nylon webbing
- Grommet tongue buckle to fasten the waist belts, and a 5" wide belt with thick padding and built in stiffener for maximum comfort
- Add "-K1" to Mfg # for arc rated harness meeting ASTM F887 electric arc performance requirements



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•	Combination of an 'X' style harness permanently
	attached to a four dee ring body belt

- Features grommet leg straps and shoulder straps that articulate through the sternum dee ring
- Shoulder straps adjust with a single slide buckle on the upper portion of the harness
- Body belt has four work positioning dee rings
- Body belt is lined with sateen material and features a waist belt made of neoprene sandwiched between leather
- Upper and lower sections are connected together with webbing exceeding 5,000 lbs. tensile strength
- Meets ASTM F887 electric arc performance requirements

61991 Mobile 'X' Tower Harness

Buckingham#	Description
61991-M23	2100M Stacked 4 D Leather, Full Float Body Belt Permanently Attached Full Body Harness
61991-M24	2100M Stacked 4 D Leather, Full Float Body Belt Permanently Attached Harness
61991-M25	2100M Stacked 4 D Leather, Full Float Body Belt Permanently Attached Harness
61991-L23	2100M Stacked 4 D Leather, Full Float Body Belt Permanently Attached Full Body Harness
61991-L24	2100M Stacked 4 D Leather, Full Float Body Belt Permanently Attached Harness
61991-L25	2100M Stacked 4 D Leather, Full Float Body Belt Permanently Attached Harness
61991-L26	2100M Stacked 4 D Leather, Full Float Body Belt Permanently Attached Harness
61991-L28	2100M Stacked 4 D Leather, Full Float Body Belt Permanently Attached Full Body Harness









- 18" Dorsal pigtail with a small dee ring to attach a 4-1/2' shock absorbing lanyard
- Kevlar mesh shell
- FR Foam shoulder and leg pads
- Hook and loop chest strap
- Patented split tongue quick connect buckles with leather chafes on the leg straps
- Spring loaded friction buckles for height adjustment
- Made from Type 13 nylon webbing with silver upper and black lower sections
- Permanently attached fall arrest attachment
- No body belt attachment
- Meets ASTM F887 electric arc performance requirements





Buckingham#	Description
637G8C500CK1-M	Buckfit FR 'H' Style Full Body Harness, Medium
637G8C500CK1-L	Buckfit FR 'H' Style Full Body Harness, Large
637G8C500CK1-XL	Buckfit FR 'H' Style Full Body Harness, X-Large
637G8C500CK1-2XL	Buckfit FR 'H' Style Full Body Harness, 2X-Large



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#### Aerial Basket Rescue Kit

- Provides safe removal of injured personnel from aerial baskets
- Boom strap has special coating to help prevent slippage
- Two Sheave blocks with 75' of 3/8" nylon rope
- 6" Diameter x 18" waterproof storage canister

Hastings #	Description
06-161	55" Boom Strap
06-165	Two Sheave Blocks w/75' of 3/8" Nylon Rope
06-166	Complete Rescue Kit
01-3318	Canister Storage Unit





F	Buckingham#	Description
1	05RSK1	BuckStep Rescue System

#### **BuckStep Suspension Trauma Rescue System**

- Designed to alleviate the effects of orthostatic intolerance
- Allows a victim to immediately deploy a body support system that allows for improved blood circulation and the ability to move and flex muscles until rescue
- Attaches to a full body harness and is fully adjustable for any sized user
- For an arc tested system that meets ASTM F887

#### **High Elevation Self-Rescue System**

- Provides all the components required to self-rescue or if the need arises to rescue a fellow employee
- Descender will automatically stop the user until the user compresses the handle allowing a smooth controlled descent
- Built in safety feature stops descent if the user compresses the handle to hard
- Unit will allow the rescuer the advantage of lowering a hurt person with ease as well
- Kit comes with retrofit rappelling straps that can be added to an existing harness for self-rescue

Buckingham#	Description
101SR-50	50' of 1/2" Braided Rope
101SR-100	100' of 1/2" Braided Rope









AEMC#	Description
511	Jaw Opening is 1.575"

#### 511 Clamp-On Meters

- Standard size, full function clamp-on meter
- One-handed operation
- Measures AC Amps, AC Volts, DC Volts, Ohms, Continuity, Frequency and has a Diode Test Function

# 6416, 6417 Clamp-On Ground Resistance Tester

- Touch voltage indication (warns of unsafe conditions)
- Direct reading of ground resistance from 0.01 Ohm to 1,500 Ohm
- Direct reading of continuity and ground loop resistance
- Direct reading of ground leakage or phase current from 2mA to 40A rms
- Jaw design with large 1-1/4" window, accommodates up to 1,000kcmil cables
- Auto-off for power management
- Rugged Lexan head and body construction resists breakage
- Bluetooth communication with Android App (6417)

AEMC#	Description
6416	6416 Ground Resistance Tester
6417	6417 Ground Resistance Tester







Greenlee #	Description
CM-660	AC Clamp-On Meter

#### CM-660 AC Clamp-On Meter

- Auto power off for longer battery life
- Amperage measurement: 600A AC
- Voltage measurement: 600V
- Display: 3-1/2 digit LCD, 2,000 count
- Resistance: 2,000 OHM
- Jaw opening: 1.38"
- Measurement category: CAT III, 600V
- Includes:
  - □ 9V battery
  - ☐ Test leads
  - ☐ Carrying case

### **Digital Voltage Phasing Meter**

- Instrument for measuring overhead and underground voltages
- AC, Hi-Pot and DC
- Large easy-to-read digital meter and analog bar graph
- Coiled, self-retracting cable;
   16" retracted and 10" when fully extended
- Meter reads to nearest 100 volts
- Kit includes: 6702 Voltmeter with case, two 6' universal fiberglass poles with carrying case

Hastings #	Description
6702	0-40 kV Digital Meter
6702-1	15/25kV Loadbreak Bushing Adapter
6702-2	DC Hi-Pot Adapter for Use Up To 35kV
6702-3	35kV Loadbreak Bushing Adapter
6703	Extension Resistors for Use w/6702 (Pair)
6711	0-40kV Digital Meter Kit







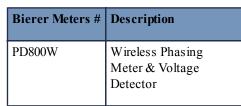
Hastings #	Description
6722	Phase-Tell III Wireless Phasing Meter
266	URD Bushing Well Adapter
01-266	Padded Case for Bushing Adapters

#### Phase-Tell III Wireless Phasing Meter

- Used to determine phase relationships on three-phase power systems, overhead and URD applications
- Battery powered, two-piece wireless phasing tool
- Wireless units communicate up to 300' apart
- Voltage range 4kV to 500kV
- Operates on two "AA" batteries, included
- FCC Compliant
- Auto shut-off
- Includes carrying case and instructions

#### **Cordless Digital Phasing Meter**

- FCC Licensed wireless technology
- Large easy-to-read digital display with backlight
- High intensity color coded LED indicator lights
- Impact and water resistant construction
- Completely shielded to minimize stray field interference
- Direct contact from 120V to 69kV, distribution systems
- Non-contact from 69kV to 800kV, transmission/substation systems
- Automatically alerts user of delta/wye transformation by an indictor light blinking
- Operating range of 100'
- Contained in a highly durable padded carrying case









Chance #	Description
H18761	16kV Tester Hook Probes, Case and Manual

#### Phasing Testers, Analog

- For distribution circuits
- Determine phase relationships and approximate voltage, line-to-line or line-to-ground
- Two fiberglass poles with end fittings threaded for interchangeable probes
- Probe fittings couple with high-impedance component encased in each pole

#### **Tester Accessories**

Chance #	Description
H18766	Shepard Hook Probe
H18766S	Straight Probe
C4033409	Voltage Indicator Tester
T4030428	15kV Only Bushing Adapter
T4030857	15-35kV Bushing Adapter
C4031762	16kV Hi-Pot Adapter









C4031762



Toll Free: 800-796-9027 Fax: 540-438-9502 www.specialfleettools.com

#### Audio/Visual Voltage Detector

- Used to verify live or de-energized conductors
- For use with rubber insulating gloves or hot sticks using the splined universal end fitting
- Indicates the presence of voltage with an extra bright LED light and a distinctive audible signal
- Includes three C batteries



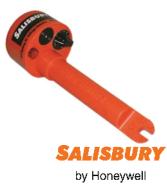
Salisbury#	Description
4244	Voltage Detector, Phase to Phase Settings: Off/240V/4.2kV/15kV/25kV/35kV/69kV/115kV/230kV
4344	Voltage Detector, Phase to Phase Settings: Off/240V/4.2kV/35kV/69kV/115kV/230kV/345kV/500kV
4444	Voltage Detector, Phase to Phase Settings: Off/Test-240V/Battery/URD:15kV/25kV/35kV
4356	Complete Kit Includes (1) 4244 Tester 240V to 230kV, (1) 21517 Case, (1) 2500 Shotgun Adapter
4367	Complete Kit Includes (1) 4344 Tester 240V to 500kV, (1) 21517 Case, (1) 2500 Shotgun Adapter
4469	Complete Kit Includes (1) 4444 Tester 240V to 69kV, (1) 21517 Case, (1) 2500 Shotgun Adapter
4445	Voltage Detector Tester
2500	Shotgun Adapter

Salisbury#	Description
4544	Voltage Detector, Phase to Phase Settings: Off/240V/4.2Kv/15kV/25kV/35kV/69kV/115kV/230kV
4644	Voltage Detector, Phase to Phase Settings: Off/240V/4.2kV/35kV/69kV/115kV/230kV/345kV/500kV
4744	Voltage Detector, Phase to Phase Settings: Off/Test-240V/Battery/URD:15kV/25kV/35kV
4556	Complete Kit, Includes (1) 4544 Tester 240V to 230kV, (1) 21517 Case and (1) 2500 Shotgun Adapter
4667	Complete Kit Includes (1) 4644 Tester 240V to 500kV, (1) 21517 Case, (1) 2500 Shotgun Adapter
4769	Complete Kit Includes: (1) 4744 Tester 240V to 69kV, (1) 21517 Case, (1) 2500 Shotgun Adapter

#### Self Testing Audio/Visual Voltage Detector

- Used to verify live or de-energized conductors
- For use with rubber insulating gloves or hot sticks using the splined universal end fitting
- Indicates the presence of voltage with an extra bright LED light and a distinctive audible signal
- Includes three C batteries









Bierer Meters #	Description
VDA-040P	0-40kV Analog Voltage Detector

#### **Analog Voltage Detector**

- Dual application design
- Detects 0-40kV line to ground (0-69kV phase to phase)
- A proximity or direct contact on overhead and underground systems
- Detect voltage from the ground on bare overhead and underground systems
- Test secondary voltage on bare or insulated cables
- Test capacitive test points
- Indicates line to ground values for nominal or induced voltages
- 5-Position selector switch is calibrated for height above ground to compensate for a capacitive coupling effect
- Shielded to minimize stray field interference
- Overload protection up to 500kV
- Water resistant construction
- Contained in a highly durable carrying case

#### Multi-Range Voltage Detectors, Analog

- Confirms a line is de-energized
- Calibrated to read approximate line-to-line voltage when connected to any phase conductor
- Gives metered readout capable of distinguishing actual line voltage from static or feedover from an adjacent line

Chance #	Description
C4030979	1-40kV Scales Voltage Detector (Includes Test Point)
C4031140	16-161kV Scales Voltage Detector







HDE#	Description
TAG-200	Voltage Detector
TAG-200MR	Multi-Range Voltage Detector

#### **Electronic Voltage Detector**

- Detects distribution and transmission of voltages
- Emits an audible and visual alarm if conductor is energized
- Requires direct contact with the conductor to detect voltage
- Water resistant housting
- Compact, lightweight and easy to use
- 9V lithium or alkaline battery operated
- For system voltages up to 69kV (Phase-to-phase)

#### **Phase Sequence Indicators**

- Used to determine the phase sequence (A-B-C or C-B-A) of three-phase voltages
- Rotating-disk design
- Color-coded 36" leads
- 3-Phase, 3-Wire 60-600V circuits and 25-60 cycle current

Knopp#	Description
44030	Phase Sequence Rotation Meter
44050	Cordura Carry Case (Sold Separately)







Hastings #	Description
6709-1	Regulator Neutral Detector

#### **Regulator Neutral Detector**

- Eliminates high or low voltages caused by cycling the regulator to the upper or lower limit and then counting steps back to neutral
- 0-2,000V range is shown in one volt increments
- Works with all regulators up to and including 34.5kV
- Contact electrodes are knurled to aid in contact with conductors

#### Transformer and Capacitor Tester

- Test new transformers and capacitors, plus troubleshoot in-service units
- Eliminates the blowing of cutout fuses to determine the condition of equipment
- Magnetized back allows hands to be free to install and remove cables and clips
- Weatherproof, high-impact resistant plastic housing
- Operates on 9V battery, included

Hastings #	Description
6793	Tester, w/Battery & Carrying Case







HDE#	Description
VW-30	V-Watch Detector Only
VW-20H	V-Watch with Carrying Case and Lanyard

#### V-Watch Personal Voltage Detector

- Alerts user to proximity of high voltage
- Audible and visual alarms increase in frequency the closer the user gets to energized equipment
- Typical initial warning distance is about 7' from a 4kVAC conductor
- Low battery indictor
- Field replacement 9V battery
- Rugged protective housing
- Built-in self-test
- Operating temperature: -20° to 120°F
- Water withstand: protected from falling rain per IEC-529, level 2
- Voltage range: 2400VAC line-to-ground and above

#### Ampstik High Voltage Ammeter

- Slips on and off the conductor with  $\pm$  1% accuracy
- Open CT rejects stray magnetic fields
- Range of operation, voltage: 0-69kV, current: 1-2,000A
- Wide jaw sensor opening: 3.86"
- Shock and water resistant housing
- Non-conductive universal adapter
- One-button operation

Sensor Link #	Description
8-022	Wide Jaw 60hz True RMS w/Soft Case







Sensor Link #	Description
8-020-XT	Std Jaw 60hz True RMS w/Soft Case
8-020-XT PLUS	Std Jaw 60hz True RMS w/Soft Case Stores 4 Readings

#### Ampstik Plus Multiple Reading Ammeter

- Slips on and off the conductor with  $\pm$  1% accuracy
- Open CT rejects stray magnetic fields
- Range of operation, voltage: 0-500kV, current: 1-5,000A
- Standard jaw sensor opening 2.5"
- Shock and water resistant housing
- Non-conductive universal adapter
- One-button operation

#### **Dual-Range High Voltage Non-Contact Tester**

- Test presence of voltage in overhead conductors or find faults in cables
- Low range for 50V AC to 1.5kV AC
- High range for 1.5kV AC to 132kV AC
- Audible and visual signs indicate presence of voltage
- Water resistant

Klein Tools #	Description
HVNCVT-1	Tester with Durable Carrying Case



# CHANCE



Chance #	Description
T4032271	5-40 kV Multi-Range Voltage Detector

# Multi-Range Voltage Detectors, Analog

- For overhead and URD systems to 40kV
- With TP setting for test point on URD elbows
- Test both overhead and underground distribution systems
- For systems in voltage classes from 5 through 40kV
- Interchangeable probes and adapters
- Furnished owner's manual illustrates operating details for all models
- Includes:
  - ☐ Multi-Range voltage detector
  - ☐ Hook and straight probes
  - ☐ Elbows and bushing adapters
  - ☐ Case

#### Distribution Auto-Ranging Voltage Indicators (ARVI)

- 600V to 69kV for overhead and underground
- Automatic-ranging function quickly displays approximate line-to-line voltage class
- Single pushbutton activates the instrument
- Single light indicates power on (by glowing solid) or low battery (by blinking)
- C4033374 Includes:
  - ☐ Tester unit
  - ☐ Shepherd hook probe
  - ☐ Instruction manual
  - ☐ Hard shell padded case
- T4033418 Includes:
  - ☐ Test unit
  - ☐ Shepherd hook probe
  - ☐ Elbow adapter
  - ☐ Bushing adapter
  - ☐ Voltage indicator tester
  - ☐ Instruction manual
  - ☐ Hard shell padded case



CHANCE

Chance #	Description
C4033374	Basic Distribution ARVI for Overhead Applications
T4033418	Basic Distribution ARVI for Overhead and Underground Applications







HDE#	Description
TL-MAN-N	TILT II Transformer Tester with Manual Self- Test, Padded Carrying Bag & Instruction Manual
QC-MAN-N	Quick-Check Transformer & Capacitor Tester with Manual Self-Test, Padded Carrying Bag & Instruction Manual

#### **Transformer & Capacitor Testers**

- Tests transformers and capacitors for major defects before energizing
- Test overhead, pad-mount and other distribution transformers as well as capacitors and capacitor banks
- Tests the primary and secondary sides of de-energized transformers without disconnecting
- Prevents line workers from installing a fuse on a shortened transformer or capacitor
- Quickly verifies the secondary connections are not shorted
- Compact, lightweight and easy-to-use
- Powered by a 9V alkaline battery
- Super bright LED indicators
- Audible alarm confirms successful test
- Continuous testing while button is pressed
- Includes:
  - ☐ Large copper alligator clips with heavy-duty boots
  - ☐ Heavy-duty rubber insulated coiled test leads

# **Protective Grounding Tester Set**

- Used to check resistance in protective grounding sets
- Applies direct current across the test specimen
- Instruction video and manual includes procedure details
- Includes:
  - ☐ Self-contained carry case
  - ☐ Two ball-stud terminals
  - □ DVD demonstration video
  - ☐ Two trouble-shooting probes
  - ☐ Self-test cable

Chance #	Description
C4033220	115/120V Protective- Ground-Set Tester





Chance #	Description
C4033178	115V Wet/Dry Hot Stick Tester

#### Wet/Dry Hot Stick Testers

- Portable unit
- Wet and dry modes selected by a toggle switch
- Graduated meter gives precise readout of each tool's leakage current
- For testing any length fiberglass-reinforced plastic hot stick up to 3" in diameter
- For spot checks at field jobsite's or periodic diagnostics in workshops



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#### **Electrical Grounding Set Tester**

- Self contained and portable
- Built in digital meter
- Maximum voltage output limited to protect the operator

Hastings #	Description
7714	Grounding and Jumper Tester





Hastings #	Description
6799	Hot Stick Tester

# **Hot Stick Tester**

- Portable and lightweight
- 75,000 volts/ft for wet testing, 100,000 volts/ft for dry testing
- Complies with OSHA regulations
- Dual range selector







Hastings #	Description	Weight
6795	Truck Safety Barricade	12 lbs.
6795-1	4' Fiberglass Barricade Arm	2.2 lbs.

#### **Truck Safety Barricade**

- Can be installed, positioned, or raised and removed in minutes
- Fiberglass arm is easily positioned to adjust barricade for proper height above the ground and to compensate for parking on uneven terrain
- Design allows fiberglass arm to be quickly locked in eight different positions
- Arm can be moved to "vertical travel position" when movement of truck for a short distance is required
- Includes:
  - ☐ Four 4' Fiberglass arms
  - ☐ Four Signs
  - ☐ 150' Yellow polypropylene rope

#### **Traffic Cones**

- Heavy-duty, all-weather
- 100% PVC
- Stackable for easy storage
- Reflective collars for added visibility

JBC Safety #	Description	Weight
RS90045CT3M64	36"	10 lbs.







Bone #	Description
4848-MW	Men Working Roll-Up Sign
4848-UWA	Utility Work Ahead Roll-Up Sign
4848-FAS	Flagger Ahead Symbol Roll-Up Sign
4848-LCA	Lane Closed Ahead Roll-Up Sign
4848-LSCA	Left Shoulder Closed Ahead Roll-Up Sign
4848-BPTS	Be Prepared to Stop Roll-Up Sign
4848-RLCA	Right Lane Closed Ahead Roll-Up Sign
4848-OLA	One Lane Ahead Roll-Up Sign
4848-OLRA	One Lane Road Ahead Roll-Up Sign

# SafeZone 48" x 48" Marathon Reflective

- All signs are designed using the Standard Highway Signs Manual specified in the MUTCD
- Fluorescent orange
- Retroreflective microprisms formed on a flexible glossy and UV-stabilized polymeric film
- Sheeting has protective film on the facing side and backed with a heavy vinyl coated fabric



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#### Stop-N-Slow Paddles

- Sign faces are BONELIGHT ACM
- Diamond Grade Material
- Staff included with paddle

Bone #	Description
STOP-2484DG/HI	24"





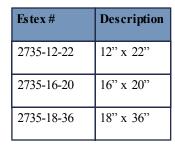
Bone #	Description
SZ-412-SUB	Single Spring Sign Stand

#### Single Spring Loaded Sign Stand, Universal Bracket

- Bright orange, powder-coated legs allow sign stand to be easily seen
- Universal sign bracket will hold most roll-up signs
- Dual pull pin/kick release lever
- Quick set up and take down
- Spring action allows sign to bend and resist wind
- Weight: 22 lbs.

#### **Ergonomic Kneeling Pad**

- Heavy duty nitrile foam cushion top
- Bottom layer .25" non-slip rubber
- Relieves lower back and leg stress
- Will not absorb water
- Acts as a thermal barrier to cold ground







Rubbermaid#	Size
1683	3 gal
1685	5 gal

#### **Beverage Coolers**

- Durable construction resists scratching, denting and fading
- Drip-resistant spigot, screw-tight lid
- Extra-thick insulation ensures superior thermal retention
- Stain and odor resistant, easy-to-clean liner
- In-molded handles

Water	Cooler	<b>Mounting</b>	Prooket
vv ater	Coolei	Mounting	DIACKEL

- Specifically designed for Rubbermaid water coolers, fits any size
- Durable, weather-resistant construction
- Made for horizontal mounting

Rubbermaid#	Description
1640	8" x 13" x 12-1/2" Mounting Bracket with Straps







Youngs town #	Size
03-3450-80-S	Small
03-3450-80-M	Medium
03-3450-80-L	Large
03-3450-80-XL	X-Large
03-3450-80-XXL	2X-Large

Waterproof	Winter	Plus	Glov	ves
			•	

- Waterproof, windproof and breathable inner membrane, keeps hands warm and dry
- Durable and form-fit outer shell maintains dexterity
- Durable, flexible non-slip palm reinforcement
- Grips in wet and dry conditions and increases durability
- Internal knuckle protection on top of hand
- Double-stitched bonded nylon thread for extended life
- Terry cloth thumb for wiping sweat and debris

#### **Safety Lime Waterproof Winter Gloves**

- High-visibility lime coloring on top of hand
- 100% waterproof and windproof to keep hands warm and dry
- Reflective 3M Scotchlite on knuckle and wrist
- Insulating micro-fleece liner warms hand
- Durable, non-slip reinforced palm, fingers and thumb
- Form-fit outer shell maintains dexterity
- Ideal for DOT, airport operations, municipalities and winter road work

Youngs town #	Size
08-3710-10-S	Small
08-3710-10-M	Medium
08-3710-10-L	Large
08-3710-10-XL	X-Large
08-3710-10-XXL	2X- Large





Youngs town #	Size
06-3020-60-S	Small
06-3020-60-M	Medium
06-3020-60-L	Large
06-3020-60-XL	X-Large
06-3020-60-XXL	2X-Large

#### **Mechanics Plus Gloves**

- Water and oil resistant synthetic suede base layer
- Palm padding dampens vibration
- Breathable stretch nylon on top of hand wicks moisture and heat
- Terry cloth thumb for wiping sweat and debris

#### **Leather Utility Plus Gloves**

- Arc rated 20.8 cal/cm2, HRC 2
- 4" Safety cuff for wrist protection
- Durable high quality goatskin leather
- Ergonomic, 3-D performance glove pattern form-fits to hand
- Extra wide pattern reduces hand fatigue and increases comfort

Youngs town #	Description
11-3245-60-S	Small
11-3245-60-M	Medium
11-3245-60-L	Large
11-3245-60-XL	X-Large
11-3245-60-XXL	2X-Large







Youngs town #	Size
03-3060-80-S	Small
03-3060-80-M	Medium
03-3060-80-L	Large
03-3060-80-XL	X-Large
03-3060-80-XXL	2X-Large

#### **General Utility Plus Gloves**

- Durable non-slip reinforcement on palm, fingers and thumb
- Neoprene cuff adds support and secures fit
- Breathable stretch nylon on top of hand wicks moisture and heat
- Terry cloth thumb for wiping sweat and debris

#### Winter Glove, Water Resistant, Knit Wrist

- 3M Thinsulate lining
- Long knit wrist to keep out snow and ice
- Wing thumb, gunn pattern

Salisbury#	Size
SP-S	Small/Med
SP-L	Large/XL





Salisbury#	Size
UWG-WPGC-S	Small
UWG-WPGC-M	Medium
UWG-WPGC-L	Large
UWG-WPGC-XL	X-Large
UWG-WPGC-2X	2-Xlarge

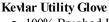
Sansbury #	Size
UWG-WPGC-S	Small
UWG-WPGC-M	Medium
UWG-WPGC-L	Large
UWG-WPGC-XL	X-Large
LING WIDGO ON	0.371

# Salisbury# Size UWG-KLG/S Small UWG-KLG/M Medium UWG-KLG/L Large UWG-KLG/XL X-Large UWG-KLG/XXL 2X-Large

#### Winter Utility Glove, Gauntlet Style Cuff, Waterproof

- 100% Waterproof, windproof and breathable
- Sport wool liner
- 3M Thinsulate lines top of hand, fingers and cuff
- Reinforced palm, non-slip saddle





- 100% Brushed Kevlar lining
- Level 4 (out of 5) on EN388 cut standard
- PVC Reinforced for durability
- Terry cloth brow wipe on back of thumb
- Double stitched



SALISBURY

by Honeywell



Salisbury#	Size
UWG-GPU/S	Small
UWG-GPU/M	Medium
UWG-GPU/L	Large
UWG-GPU/XL	X-Large
UWG-GPU/2X	2X-Large

#### **Utility Plus Glove**

- All purpose, abrasion resistant
- PVC Reinforcement for durability
- One-piece back of hand with knuckle protection
- Terry cloth brow wipe on back of thumb
- Adjustable hook & pile closure

#### Global Gloves 3200

- Premium brade beige cow grain
- Drive style glove
- Keystone thumb

Global Glove #	Size
3200/S	Small
3200/M	Medium
3200/L	Large
3200/XL	X-Large
3200/2X	2X-Large
3200/3X	3X-Large







# Sai/Grip Round Slings

# Saf/Grip Round Slings



The Saf/Grip Endless Round Sling is the most versatile. Capable of being used in vertical, choker and basket hitches, wear points can be shifted to extend sling life. Pliable body hugs the load and offers super strength and ease of handling. Slings feature identification tags indicating size, type and rated capacity.

			Rated Capacity in Pounds						
Color Code	Stock No.	Approx. Body Diameter in Inches	Approx. Body Wt. Pounds/Pt.	Vertical	g Choker	Basket	eo.	45	Minimum Length
Purple	SR-1	0.60	0.20	2,600	2,100	5,200	4,500	3,700	3 ft.
Green	SR-2	0.80	0.30	5,300	4,200	10,600	9,200	7.500	3 ft.
Yellow	SR-3	1.00	0.50	8,400	6,700	16,800	14,500	11,900	3 ft.
Tan	SR-4	1.20	0.60	10,600	8,500	21,200	18,400	15,000	3 ft.
Red	SR-5	1.30	0.75	13,200	10:600	26,400	22,900	18,700	3 ft.
White	SR-6	1.40	0.90	16,800	13,400	33,600	29,100	23,800	6 ft.
Blue	SR-7	1.75	1.15	21,200	17,000	42,400	36,700	30,000	6 ft.
Orange	SR-8	2.00	1.30	25,000	20,000	50,000	43,300	35,400	6 ft.
Orange	SR-9	2.25	1.50	31,000	24,800	62,000	53,700	43,800	6 ft.
Orange	SR-10	2.50	2.00	40,000	32,000	80,000	69,300	56,600	6 ft.
Black	SR-11	3.00	2.50	53,000	42,400	106,000	91,800	74,900	7 ft.
Black	SR-12	3.25	3.50	66,000	52,800	132,000	114,300	93,300	7 ft.
Black	SR-13	3.75	4.00	90,000	72,000	180,000	155,900	127,300	7 ft.
Black	SR-13S	4.00	4.50	100,000	80,000	200,000	173,200	141,400	7 ft.

# Saf/Grip Eye & Eye Round Slings



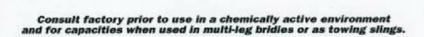
Extra protective Cordura® cover adds durability. Sling jackets are color-coded by rated capacity. Choose from seven different colors to fit the rated capacity you need for your lift.

Rated Capacity in Pounds							
Color Code	Stock No.	Vertical	Choker	Basket	60	45	Minimum Length
Purple	SR1-EE	2,600	2,100	5,200	4,500	3,700	4 ft.
Green	SR2-EE	5,300	4,200	10,600	9,200	7,500	4 ft.
Yellow	SR3-EE	8,400	6,700	16,800	14,500	11,900	4 ft.
Tan	SR4-EE	10,600	8,500	21,200	18,400	15,000	5 ft.
Red	SR5-EE	13,200	10,600	26,400	22,900	18,700	5 ft.
White	SR6-EE	16,800	13,400	33,600	29,100	23,800	7 ft.
Blue	SR7-EE	21,200	17,000	42,400	36,700	30,000	7 ft.
			THE RESERVE AND ADDRESS OF THE PERSON NAMED IN				

The body of all Safeway Eye & Eye Round Slings is protected with a Cordura® Tubular Jacket for extra protection. Special Note: SR8-EE and larger now available. See SR chart above for capacities.



Warning! Failure to follow proper care, use and inspection criteria may result in personal injury. Do not exceed rated capacities. Horizontal sling angles less than 30° shall not be used. Cordura® is a registered trademark of DuPont.







Toll Free: 800-796-9027 Fax: 540-438-9502

www.specialfleettools.com

# Standard Nylon and Polyester Web Slings

# Eye & Eye Flat (Type 3)

# Eye & Eye Twist (Type 4)



					Rated Capa	city in Pounds	-			
			Î	ð		Α.	8	2	Eye	Eye
Stock No.	Width	Ply	Vertical	Choker	Basket	60"	45°	30°	Longth	Width
EE1-601	1"	1	1,200	900	2,400	2,100	1,700	1.200	8*	1"
EE1-901	1"	1	1,600	1,200	3,200	2,800	2,300	1,600	8"	1"
E2-601	1"	2	2,400	2,000	4,800	4,200	3,400	2,400	8"	1"
E2-901	1"	2	3,200	2,500	6,400	5,500	4,500	3,200	8"	1"
E3-601	1"	3	3,600	2,900	7,200	6,200	5,100	3,600	12"	1"
EE3-901	1"	3	4,100	3,300	8,200	7,100	5,800	4,100	12"	1-
EE4-601	1"	4	4,800	3,800	9,600	8,300	6,800	4.800	12"	1"
EE4-901	1.	4	6,100	4,900	12,200	10,500	8,600	6,100	12"	1"
EE1-6015	1.5"	1	1,650	1,320	3,300	2,850	2,300	1,650	8"	1.5"
EE2-6015	1.5"	2	3,300	2,640	6,600	5,700	4,650	3,300	8*	1.5"
E1-9015	1.5"	1	2,350	1,860	4,700	3,900	3,200	2,350	8*	1.5
EE2-9015	1.5"	2	4,650	3,720	9,300	8,050	6,570	4,650	8*	1.5
EE1-60175	1.75	1	2,100	1,600	4,200	3,600	2,950	2,100	8"	1.75
EE2-60175	1.75*	2	4,200	3,200	8,400	7,270	5,900	4.200	8*	1.75
EE1-602	2"	1	2,400	2,000	4,800	4,200	3,400	2,400	10"	2"
EE1-902	2"	1	3,200	2,500	6,400	5,500	4,500	3,200	10"	2-
EE2-602	2*	2	4,800	3,800	9,600	8,300	6,800	4,800	10"	2*
EE2-902	2*	2	6.400	5,000	12,800	11.100	9,000	6,400	10"	2*
EE3-602	2"	3	7,000	5,200	14,000	12,100	9,900	7,000	12"	2*
EE3-902	2.	3	8,200	6,600	16,500	14,300	11,600	8,200	12"	2"
EE4-602	2*	4	8,900	7,100	17,800	15,540	12,500	8,900	12"	2"
EE4-902	2"	4	12,200	9,800	24,400	21.100	17,200	12,200	12"	2"
EE1-603	3*	1	3,600	2,900	7,200	6,200	5,100	3,600	11"	1.5
EE1-903	3*	1	4,800	3,800	9,600	B,300	6,800	4,800	11-	1.5
EE2-603	3-	2	6,650	5,300	13,300	11.500	9,400	6,700	11"	1.5
EE2-903	3"	2	8,900	7,200	17,800	15,400	12,600	8,900	11"	1.5
EE3-603	3.	3	10,000	8,000	20,000	17,300	14,100	10,000	15"	1.5
EE3-903	3*	3	12,300	9,900	24,600	21,300	17,400	12,300	15"	1.5
EE4-603	3"	4	13,300	10,700	26,600	23,100	18.800	13,300	15"	1.5
EE4-903	3"	4	18,000	13,500	36,000	31.100	25,400	18,000	15"	1.5
EE1-604	4"	1	4,800	3,800	9,600	8,300	6,800	4,800	12"	2"
	4-		100000000000000000000000000000000000000				9,000		12"	2-
EE1-904	4"	1 2	6,400	5,000	12,800	11,100	1 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	6,400		2.
EE2-604			8,600	6,900	17,200	15,000	12,200	8,600	12"	2"
EE2-904	4"	2	12,000	9,600	24,000	20,800	17,000	12,000	12"	2"
EE3-604		3	13,000	10,000	26,000	22,500	18,300	13,000	16"	
EE3-904	4"	3	15,300	12,200	30,600	26,500	21,600	15,300	16"	2"
EE4-604	4"	4	17,300	13,800	34,600	30,000	24,400	17,300	16"	2"
EE4-904	4"	4	22,000	17,600	44,000	38,100	31,100	22,000	16"	2"
EE1-905	5*	1	8,000	6,400	16,000	13,800	11,300	8,000	14"	1.75
EE2-905	5*	2	14,250	11,400	28,500	24,600	20,100	14,250	14"	1.75
E3-905	5"	3	22,500	18,000	45,000	38,900	31,800	22,500	18"	2.5"
EE4-905	5*	4	30,000	22,500	60,000	51,900	42,400	30,000	18"	2.5°
E1-606	6"	1	7,200	5,800	14,400	12,500	10,200	7,200	16"	2"
EE1-906	6*	1	9,600	7,600	19,200	16,600	13,600	9,600	16"	2"
EE2-606	6*	2	12,200	9,800	24,500	21,200	17,300	12,200	16"	2"
E2-906	6*	2	17,000	13,000	34,000	29,400	24,000	17,000	16"	2"
E3-606	6*	3	18,000	14,500	36,000	31,100	25,400	18,000	18"	3"
E3-906	6*	3	23,000	18,400	46,000	39,800	32,500	23,000	18"	3"
EE4-606	6*	4	24,500	19,600	49,000	42,400	34,600	24,500	18"	3"
EE4-906	6*	4	33,000	24,600	66,000	57,100	46,700	33,000	18"	3"
E1-908	8"	1	12,800	10,000	25,600	22,200	18,100	12,800	20"	3"
E2-908	8"	2	22,800	18,000	45,600	39,500	32,200	22,800	20"	3"
E3-908	8"	3	30,700	24,500	61,400	53,100	43,400	30,700	24"	4"
EE4-908	8"	4	44,000	35,200	88,000	76,200	62,200	44,000	24"	4"
E1-910	10"	1	16,000	12,800	32,000	27,700	22,600	16,000	24"	3.5"
E2-910	10"	2	28,000	22,500	56,000	48,500	39,500	28,000	24"	3.5"
EE3-910	10"	3	36,000	28,500	72,000	62,300	50,900	36,000	24"	5"
E4-910	10"	4	55,000	44,000	110,000	95,200	77,700	55,000	24"	5"
EE1-912	12"	1	19,200	15,400	38,400	33,200	27,100	19,200	24"	4"
EE2-912	12"	2	33,600	26,750	67,200	58,200	47,500	33,600	24"	4-
EE3-912	12"	3	46,000	36,500	92,000	79,600	65,000	46,000	26"	6"
	12"	4	66,000	52,800	132,000	114,300	93,300	66,000	32"	6"
EE4-912										

Please specify Flat Eyes (Type 3) or Twist Eyes (Type 4) when ordering.
 Slings 3" wide and over have tapered eyes.



Warning: Horizontal sling angles less than 30° shall not be used. Do not exceed rated capacity.



# Standard Nylon and Polyester Web Slings

# Endless (Type 5)

The Endless is the most versatile sling. Wear points can be rotated and sling used in vertical, choker & basket hitches.

			Rated Capacity in Pounds					
			Ŷ	ð	11	8	8	A
Stock No.	Width	Ply	Vertical	Choker	Basket	60*	45°	30"
EN1-601	1"	1	2,400	2.000	4,800	4,200	3,400	2,400
EN1-901	1"	1	3,200	2,500	6,400	5,500	4,500	3,200
EN2-601	1.	2	4,800	3,800	9,600	8,300	6,800	4,800
EN2-901	1"	2	6,400	5,000	12,800	11,100	9,000	6,400
EN3-601	1.	3	7,200	5,800	14,400	12,500	10,200	7,200
EN3-901	1"	3	9.000	7,200	18,000	15.500	12,700	9,000
EN4-601	1"	4	9,600	7,700	19,200	16,600	13,600	9,600
EN4-901	1"	4	11,000	8,800	22,000	19,000	15,500	11,000
EN1-6015	1.5	1	3,300	2,640	6,600	5,700	4,650	3,300
EN2-6015	1.5*	2	6,600	5.280	13,200	11.400	9,300	6,600
EN1-9015	1.5*	1	4,650	3,720	9,300	8,050	6,570	4,650
EN2-9015	1.5*	2	9,300	7.440	18,600	16,100	13,100	9,300
EN1-60175	1.75"	1	4,200	3,400	8,400	7,270	5,900	4,200
EN2-60175	1.75"	2	8.400	6.700	16,800	14.500	11,800	8,400
EN1-602	2"	1	4,800	3,800	9,600	8,300	6,800	4,800
EN1-902	2"	1	6,400	5,000	12,800	11,100	9,000	6,400
EN2-602	2"	2						9,600
	2"	2	9,600	7,700	19,200 25,600	16,600	13,600 18,100	12,800
EN2-902	2-	3	12,800	10,200		22,200		
EN3-602			13,300	10,700	26,600	23,100	18,800	13,300
EN3-902	2"	3	16,500	13,200	33,000	28,500	23,300	16,500
EN4-602	2"	4	17,800	14,200	35,500	30,800	25,100	17,800
EN4-902	2"	4	22,000	17,600	43,900	38,000	31,000	22,000
EN1-603	3"	1	7,200	5,700	14,400	12,500	10,200	7,200
EN1-903	3"	1	9,600	7,600	19,200	16,600	13,600	9,600
EN2-603	3"	2	13,300	10,500	26,600	23,100	18,800	13,300
EN2-903	3"	2	18,000	14,000	36,000	31,100	25,400	18,000
EN3-603	3"	3	20,000	16,000	40,000	34,600	28,200	20,000
EN3-903	3"	3	24,700	19,800	49,400	42,800	34,900	24,700
EN4-603	3"	4	26,700	21,300	53,300	46,200	37,600	26,700
EN4-903	3"	4	32,900	26,300	65,800	57,700	46,600	32,900
EN1-604	4"	1	9,600	7,700	19,200	16,600	13,600	9,600
EN1-904	4"	1	12,000	9,600	24,000	20,700	16,900	12,000
EN2-604	4"	. 2	17,300	13,500	34,600	30,000	24,400	17,300
EN2-904	4"	2	24,000	18,000	48,000	41,500	33,900	24,000
EN3-604	4"	3	25,900	20,700	51,800	44,800	36,600	25,900
EN3-904	4"	3	34,400	27,500	68,800	59,500	48,600	34,400
EN4-604	4"	4	34,600	27,600	69,100	59,900	48,800	34,600
EN4-904	4"	4	40,800	32,600	81,500	70,600	57,000	40,800
EN1-905	5"	1	16,000	12,000	32,000	27,700	22,600	16,000
EN2-905	5"	2	28,000	22,400	56,000	48,400	39,500	28,000
EN3-905	5"	3	42,000	33,600	84,000	72,700	59,300	42,000
EN4-905	5"	4	56,000	44,800	112,000	97,000	79,100	56,000
EN1-606	6"	1	14,400	11,500	28,800	25,000	20,300	14,400
EN1-906	6"	1	17,000	13,000	34,000	29,400	24,000	17,000
EN2-606	6"	2	24,500	19,600	49,000	42,400	34,600	24,500
EN2-906	6"	2	32,600	26,100	65,300	56,500	46,200	32,600
EN3-606	6"	3	36,800	29,400	73,400	63,700	51.900	36,800
EN3-906	6"	3	45,900	36,700	91,700	79,400	64.900	45,900
EN4-606	6"	4		39,200			69,200	49,000
EN4-906	6"	4	49,000	48,900	97,900	84,500	86,500	
		1000	61,200	2075-007-007-007-007-007-007-007-007-007-	122,300	105,900		61,200
EN1-908	8"	1	25,600	20,500	51,200	44,300	36,200	25,600
EN2-908	8"	2	41,000	32,800	81,900	70,900	57,900	41,000
EN1-910	10"	1	32,000	25,600	64,000	55,400	45,200	32,000
EN2-910	10"	2	48,000	38,000	96,000	83,100	67,900	48,000
EN1-912	12"	1	38,400	30,700	76,800	66,500	54,300	38,400
EN2-912	12"	2	53,700	43,000	107,400	93,000	76,000	53,700

Endless Slings are tapered upon special request only and at additional cost. Three and four ply slings cannot be tapered.
 For information on 3 and 4 ply slings not listed, please contact factory.



Warning: Horizontal sling angles less than 30° shall not be used. Do not exceed rated capacity.







Streamlight #	Description
45116	LiteBox Rechargeable Lantern w/Shoulder Strap, Chargers & Charge Rack, Orange 8W Spot Bulb

#### LiteBox Rechargeable Lantern

- High-intensity halogen bi-pin bulb
- High-impact ABS thermoplastic housing with rubberized impact bumper, lens ring, and cushioned-grip handle
- 8WS Bulb: 150 lumens, 9 hour run time
- 20WS Bulb: 400 lumens, 3.5 hour run time

E-Spot LiteBox Rechargeable Lantern

• Three C4 LEDs with a 50,000 hour lifetime produce a uniform spot pattern

STRE-MLIGHT

- Zero-maintenance 6V, 12Ah sealed lead acid battery
- High-impact ABS thermoplastic housing, rubberized impact bumper, lens ring and cushioned-grip handle
- Red and green LEDs give charge status feedback
- Includes AC/DC charge cords, shoulder strap and mounting rack
- 540 Lumens (high), 330 lumens (low)

	Streamlight#	Description	
	45851	E-Spot LiteBox Rechargeable Lantern, Orange	
	45871	E-Spot LiteBox Rechargeable Lantern, Yellow	









Streamlight #	Description
45937	Sealed Lead Acid Battery
45845	E-Spot LiteBox Upgrade Kit

#### LiteBox Accessories

- Battery; zero maintenance 6V, 12Ah, rechargeable up to 500 times
- Upgrade kit; converts halogen to LED, 540 lumens

#### **RADIORAY Halogen Portable**

- Includes:
  - ☐ Wireless hand-held remote
  - ☐ Suction cup and permanent mount shoe (7900)
  - ☐ Suction cup and magnetic mount shoe (7901/7951)
  - ☐ 15' cord with cigarette plug for 12VDC
- Unit size: 7" x 7" x 8"

Golight#	Description
7900	White w/Permanent Mount
7901	White w/Magnetic Shoe
7951	Black w/Magnetic Shoe









	Streamlight #	Description
	44900	Waypoint Piston-Grip Spotlight with DC Cord, Yellow
	44902	Waypoint Piston-Grip Spotlight with DC Cord, Black

#### Waypoint Pistol-Grip Battery-Powered Spotlight

- Three modes: high, low, strobe
- C4 LED Illumination output
- 210 Lumens
- Powered by four C batteries (not included) or 12V DC power cord (included)
- Unlimited run time when using 12V DC cord
- High impact polycarbonate housing
- Includes lanyard
- Integrated stand for scene lighting

#### Waypoint Rechargeable Pistol-Grip Spotlight, 44910

- Three modes: high, low, strobe
- C4 LED Illumination output
- 370 Lumens (high), 30 lumens (low)
- Powered by rechargeable lithium ion battery
- Full recharges in four hours
- Rechargeable up to 800 times
- Trigger-style switch
- High impact polycarbonate housing, rubberized lens protector
- Includes high-strength adjustable lanyard
- Integrated stand for scene lighting
- Light will float, IPX 8 rated, waterproof to two meters

Streamlight #	Description
44910	Waypoint Rechargeable Pistol- Grip Spotlight, Yellow
44900	Waypoint NON-Rechargeable Pistol-Grip Spotlight, Yellow





Streamlight#	Description
61052	Septor LED, Yellow Headlamp

#### Septor LED Headlamp

- Class 1, Div 2 rating
- Low level battery indicator
- Soft flood light; good for up close work
- Powered by three AAA alkaline batteries (included)
- Seven 100,000 hr life ultra-bright, white LEDs
- 120 Lumens (7 LEDs), 45 lumens (3 LEDs), 13 lumens (1 LED)
- Runs up to 55 hrs. (single LED)
- 5.50 oz., 90° tilting head
- Adjustable elastic head strap, mounting plate and rubber hard hat strap included

# Trident HP Headlamp

- Class 1, Div 2 rated
- Water resistant lightweight thermoplastic construction
- 80 lumens typical (C4 LED), 35 lumens typical (3 white), 11 lumens typical (1 LED)
- White C4 LED technology, shock resistant, with a 50,000 hour lifetime, three 5mm white LEDs
- Three AAA alkaline batteries
- 5.5 oz., 90° tilting head
- Adjustable elastic head strap, mounting plate and rubber hard hat strap included

Streamlight#	Description
61050	Trident HP, Yellow Headlamp





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Streamlight#	Description
61200	3AA HAZ-LO, Yellow Headlamp

#### 3AA HAZ-LO Div 1 Headlamp

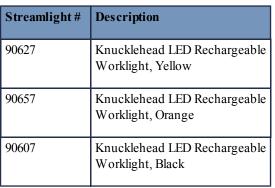
- Class 1, Div 1 rated
- Powered by three AA alkaline batteries (included)
- One C4 LED 50,000 hour lifetime
- 11 hour run time, 120 lumens
- All openings O-ring sealed
- Unbreakable polycarbonate lens
- Push-button switch
- 7.1 oz, impact-resistant housing
- 90° tilting head
- Adjustable elastic head strap, mounting plate and rubber hard hat strap included

### Knucklehead Rechargeable Worklight

- Shockproof dual C4 premium LED technology, impact-resistant
- 210° Articulating head that rotates a full 360°
- Four modes-high, low, moonlight and flash
- Dual power source: accepts rechargeable NiCd battery pack or four AA alkaline batteries (included)
- Rubber dome push-bottom actuator
- Removable magnet with 135 lb. pull strength; integrated storable hanghook

REMILIGHT

- High-impact nylon polymer construction
- 200 lumens (high); 63 lumens (low)









Streamlight #	Description
76132	PolyStinger LED Rechargeable Flashlight, Black

#### PolyStinger LED Rechargeable Flashlight

- Non-conductive nylon polymer with non-slip rubberized comfort grip
- Unbreakable polycarbonate lens with scratch-resistant coating
- Fits existing Stinger snap-in chargers
- Ten hour steady charge, 2.5 hour fast charge
- C4 LED Technology, shock-proof with a 50,000 hour lifetime
- 3-Cell, 3.6V NiCd sub-C battery is rechargeable up to 1,000 times
- Multi-function on/off push button switch, 385 lumens

#### Stinger LED Rechargeable Flashlight

- Light source: C4 LED technology, with a 50,000 hour lifetime
- 3-Cell, 3.6V nickel-cadmium sub-C battery is rechargeable up to 1,000 times
- 175 lumens
- 10 hours to fully recharge or 2.5 hour fast charger available
- Deep-dish parabolic reflector
- Machined aircraft aluminum body with non-slip rubberized comfort grip and anti-roll rubber ring
- Unbreakable polycarbonate lens with scratch-resistant coating
- 8.41" long, 12.4 oz.
- IPX4 rated for water-resistant operation
- Serialized for positive identification
- Black

Streamlight #	Description
75710	Stinger LED Flashlight without Charger
75715	Stinger LED Flashlight w/DC Fast Charger





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Streamlight #	Description
25006	SI-20XP Rechargeable Flashlight with Charge Cord and Case, Black

#### SL-20XP Rechargeable Flashlight

- 8 Watt halogen bulb with 100 hour lifetime
- Lightweight nylon polymer case with non-slip rubber comfort grip
- Runs 1.5 hours, 145 lumens
- Three position push-button switch
- 5-Cell, 6.0-volt NiCd sub-C battery, rechargeable up to 1,000 times
- 13" long, water-resistant

#### Stinger DS LED HP Rechargeable Flashlight

- Dual switch technology
- Head switch operates independently from the tail cap switch
- Deep-dish parabolic reflector produces a long range targeting beam
- 350 Lumens
- 6,000 series machined aircraft aluminum with non-slip rubberized comfort grip
- Unbreakable polycarbonate lens with scratch-resistant coating
- O-ring sealed construction
- C4 LED Technology, impervious to shock with a 50,000 hour lifetime
- 3-Cell, 3.6V Ni-Cd sub-C battery is rechargeable up to 1,000 times

Streamlight #	Description
75863	Stinger DS LED HP Rechargeable Flashlight 120V AC/12V DC Black





Streamlight #	Description
74301	Strion LED Rechargeable Flashlight w/120V AC/DC Holder, Black
74303	Strion LED Rechargeable Flashlight w/120V AC, Black

#### Strion LED Rechargeable Flashlight

- C4 LED Technology, shock-resistant with a 50,000 hour lifetime
- 4-Modes: high (260 lumens), medium (130 lumens), low (65 lumens), and strobe
- Machined aircraft aluminum with anodized finish
- 5.90" long
- Push-button tailcap momentary switch; rotate tailcap constant on
- Lithium ion with on-board safety control circuit battery
- Snap-in charger holder that mounts in any position
- Water-resistant

# Stylus Pro Alkaline Battery-Powered Pen Light

- Corrosion and water resistant
- Machined aircraft-grade aluminum alloy, Type II MIL-Spec anodize plating
- C4 LED lasts 30,000 hours
- 65 lumens
- Push button tail switch
- Powered by two AAA alkaline batteries
- Runs up to 6.5 regulated hours
- 5.3", 1.64 oz. with battery (included)

Streamlight#	Description
66118	Stylus Pro, Black Pen Light





		Labeling C er Electrical Insul	
Class Color	Proof Test Voltage AC/DC	Max. Use Voltage AC/DC	Insulating Rubber Glove Label
00 Beige	2,500 / 10,000	500 / 750	10 ASTM D120 EN60903 CLASS 60 TYPE I MAX USE VOLT SOOV AC
0 Red	5,000 / 20,000	1,000 / 1,500	10 ASTM D120 EN60903 CLASS D TYPE I MAX USE VOLT 1000V AC
1 White	10,000 / 40,000	7,500 / 11,250	10 ASTM D120 EN60903 TYPE I MAX USE VOLT 7500V AC
2 Yellow	20,000 / 50,000	17,000 / 25,500	10 ASTM D120 EN80900 TYPE I MAX USE VOLT 17000V AC
3 Green	30,000 / 60,000	26,500 / 39,750	10 ASTM D120 EN60903 CLASS 8 TYPE I MAX USE VOLT 28000V AG
4 Orange	40,000 / 70,000	36,000 / 54,000	10 ASTM D120 EN60903 TYPE I MAX USE VOLT 96000V AC

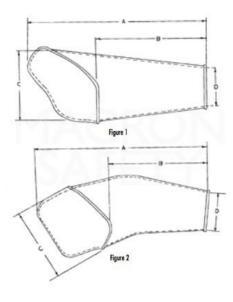


Measure the circumference around the palm to determine the correct glove size. Allow for additional room if fabric glove liners are to be worn, especially with thermal liners.



### Sleeve & Leather Protector Sizing

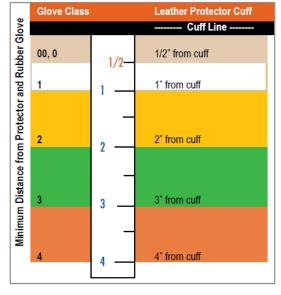
	Sizing Lin	emen's Sl	eeves
STRAIGH	T ARM SLE	EVE-Figu	re 1
A (in.)	B (in.)	C (in.)	D (in.)
Regular			
26.25	15.5	11.25	5.5
Large			
28.5	17	12.87	6.87
Extra-Lar	ge		
30	19	13.25	6.87
CURVED.	ARM SLEE	VE-Figure	2
A (in.)	B (in.)	C (in.)	D (in.)
Regular			
26.5	15.5	12.25	5.25
Large			
27.75	16	12.87	6.87
Extra-Lar	ge		
29.5	17.5	12.87	7



When choosing the proper sleeve size, they should fit comfortably, covering from the top of the shoulder to just inside the top of the glove. Select the shortest length possible while maintaining complete coverage to the shoulder.

This clearance table shows minimum distance allowed between protector glove cuff and the bead of the rubber glove, per ASTM F496 Specs.

Leather gloves are to be worn over rubber insulating gloves.





Leather Protectors are NOT to be used alone for electric shock protection. Always use gloves with appropriately insulated voltage ratings.



# **Rubber Insulating PPE and Accessories**

All Salisbury Gloves, Protectors and Sleeves shown are sold in pairs.

SALISBURY

#### Glove, Class 00, 11", Type I

• Black and red gloves are TYPE I natural rubber

• Blue gloves are TYPE II



Salisbury#	Size	Color
E0011B7	7	Black
E0011B8	8	Black
E0011B8H	8H	Black
E0011B9	9	Black
E0011B9H	9H	Black
E0011B10	10	Black
E0011B10H	10H	Black
E0011B11	11	Black
E0011B12	12	Black
E0011BL7	7	Blue
E0011BL8	8	Blue
E0011BL8H	8H	Blue
E0011BL9	9	Blue

9H	Blue
10	Blue
10H	Blue
11	Blue
12	Blue
7	Red
8	Red
8H	Red
9	Red
9H	Red
10	Red
10H	Red
11	Red
12	Red
	10 10H 11 12 7 8 8H 9 9H 10 10H 111

Glove, Class 0, Blue, 11" or 14", Type II



Salisbury#	Size	Class	Length
E011BL7	7	0	11"
E011BL8	8	0	11"
E011BL8H	8H	0	11"
E011BL9	9	0	11"
E011BL9H	9H	0	11"
E011BL10	10	0	11"
E011BL10H	10H	0	11"
E011BL11	11	0	11"
E011BL12	12	0	11"
E014BL8	8	0	14"
E014BL8H	8H	0	14"
E014BL9	9	0	14"
E014BL9H	9Н	0	14"
E014BL10	10	0	14"
E014BL10H	10H	0	14"
E014BL11	11	0	14"
E014BL12	12	0	14"



# Rubber Insulating PPE and Accessories

Glove, Class 0, Black, 11", Type 1



by Honeywell

Salisbury#	Size	Class	Length
E011B8	8	0	11"
E011B8H	8H	0	11"
E011B9	9	0	11"
E011B9H	9H	0	11"
E011B10	10	0	11"
E011B10H	10H	0	11"
E011B11	11	0	11"
E011B12	12	0	11"

GK0011B Glove Kit, Class 00 Includes Black 11" Gloves, Leather Protectors and Glove Bag



Salisbury#	Size
GK0011B7	7
GK0011B8	8
GK0011B8H	8H
GK0011B9	9

GK0011B9H	9H
GK0011B10	10
GK0011B10H	10H
GK0011B11	11
GK0011B12	12

#### Glove, Class 0, Red 11" or 14", Type I



Salisbury#	Size	Class	Length
E011R7	7	0	11"
E011R8	8	0	11"
E011R8H	8H	0	11"
E011R9	9	0	11"
E011R9H	9Н	0	11"
E011R10	10	0	11"
E011R10H	10H	0	11"
E011R11	11	0	11"
E011R12	12	0	11"
E014R7	7	0	14"
E014R8	8	0	14"
E014R9	9	0	14"
E014R9H	9Н	0	14"
E014R10	10	0	14"
E014R10H	10H	0	14"
E014R11	11	0	14"
E014R12	12	0	14"



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Glove, Class 0, Yellow, 11", Type I



Salisbury#	Size	Class	Length
E011Y7	7	0	11"
E011Y8	8	0	11"
E011Y8H	8H	0	11"
E011Y9	9	0	11"
E011Y9H	9Н	0	11"
E011Y10	10	0	11"
E011Y10H	10H	0	11"
E011Y11	11	0	11"
E011Y12	12	0	11"
E014Y7	7	0	14"
E014Y8	8	0	14"
E014Y8H	8H	0	14"
E014Y9	9	0	14"
E014Y9H	9Н	0	14"
E014Y10	10	0	14"
E014Y10H	10H	0	14"
E014Y11	11	0	14"
E014Y12	12	0	14"

SALISBURY

by Honeywell



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# **Rubber Insulating PPE and Accessories**

GK0011BL Glove Kit, Class 00 Includes Blue 11" Gloves, Leather Protectors and Glove Bag GK0011R Glove Kit, Class 00 Includes Red 11" Gloves, Leather Protectors and Glove Bag GK011B Glove Kit, Class 0 Includes Black 11" Gloves, Leather Protectors and Glove Bag



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GLO	VES
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0	
Salisbury#	Size
GK0011BL7	7
GK0011BL8	8
GK0011BL8H	8H
GK0011BL9	9
GK0011BL9H	9Н
GK0011BL10	10
GK0011BL10H	10H
GK0011BL11	11



# Salisbury

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Salisbury#	Size
GK0011R7	7
GK0011R8	8
GK0011R8H	8H
GK0011R9	9
GK0011R9H	9H
GK0011R10	10
GK0011R10H	10H
GK0011R11	11
GK0011R12	12



# **SALISBURY**

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Salisbury#	Size
GK011B8	8
GK011B8H	8H
GK011B9	9
GK011B9H	9Н
GK011B10	10
GK011B10H	10H
GK011B11	11
GK011B12	12

GK011BL Glove Kit, Class 0 Includes Blue 11" Gloves, **Leather Protectors and** Glove Bag



Salisbury

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Salisbury#	Size
GK011BL7	7
GK011BL8	8
GK011BL8H	8H
GK011BL9	9
GK011BL9H	9Н
GK011BL10	10
GK011BL10H	10H
GK011BL11	11
GK011BL12	12

Salisbury#	Size
GK011R7	7
GK011R8	8
GK011R8H	8H
GK011R9	9
GK011R9H	9Н
GK011R10	10
GK011R10H	10H
GK011R11	11

GK011R Glove Kit, Class 0 Includes Red 11" Gloves, Leather Protectors and Glove Bag



Salisbury

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# Glove, Red/Black, Straight Cuff



# SALISBURY

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Salisbury#	Size	Class	Length
E114RB8	8	1	14"
E114RB8H	8H	1	14"
E114RB9	9	1	14"
E114RB9H	9Н	1	14"
E114RB10	10	1	14"
E114RB10H	10H	1	14"
E114RB11	11	1	14"
E114RB12	12	1	14"
E214RB8	8	2	14"
E214RB8H	8H	2	14"
E214RB9	9	2	14"
E214RB9H	9Н	2	14"
E214RB10	10	2	14"
E214RB10H	10H	2	14"
E214RB11	11	2	14"
E214RB12	12	2	14"
E216RB7	7	2	16"
E216RB8	8	2	16"

E216RB8H	8H	2	16"
E216RB9	9	2	16"
E216RB9H	9H	2	16"
E216RB10	10	2	16"
E216RB10H	10H	2	16"
E216RB11	11	2	16"
E216RB12	12	2	16"
E316RB8	8	3	16"
E316RB8H	8H	3	16"
E316RB9	9	3	16"
E316RB9H	9H	3	16"
E316RB10	10	3	16"
E316RB10H	10H	3	16"
E316RB11	11	3	16"
E316RB12	12	3	16"
E418RB9	9	4	18"
E418RB9H	9Н	4	18"
E418RB10	10	4	18"
E418RB10H	10H	4	18"
E418RB11	11	4	18"

GK011Y Glove Kit, Class 0 Includes Yellow 11" Gloves, Leather Protectors and Glove Bag

# Glove, Red/Black, Contour Cuff

Salisbury#

E218CRB7

E218CRB8

E218CRB8H

E218CRB9

E218CRB9H

# Salisbury

by Honeywell

Salisbury#

GK011Y7

GK011Y8

GK011Y8H

GK011Y9

GK011Y9H

GK011Y10

GK011Y10H

GK011Y11

GK011Y12

Size

8

8H

9

9H

10

10H

11

12



2

2

2

2

Class

Length

18"

18"

18"

18"

18"

Size

7

8

8H

9

9Н

E216CKD911	<i>9</i> 11	2	10
E218CRB10	10	2	18"
E218CRB10H	10H	2	18"
E218CRB11	11	2	18"
E218CRB12	12	2	18"
E318CRB8	8	3	18"
E318CRB8H	8H	3	18"
E318CRB9	9	3	18"
E318CRB9H	9H	3	18"
E318CRB10	10	3	18"
E318CRB10H	10H	3	18"
E318CRB11	11	3	18"
E318CRB12	12	3	18"

WEAR



by Honeywell



# Glove, Red/Black, Bell Cuff



# **SALISBURY**

by Honeywell

Salisbury#	Size	Class	Length
E214BCRB9	9	2	14"
E214BCRB9H	9H	2	14"
E214BCRB10	10	2	14"
E214BCRB10H	10H	2	14"
E214BCRB11	11	2	14"
E216BCRB9	9	2	16"
E216BCRB9H	9H	2	16"
E216BCRB10	10	2	16"
E216BCRB10H	10H	2	16"
E216BCRB11	11	2	16"
E216BCRB12	12	2	16"
E218BCRB9	9	2	18"
E218BCRB9H	9H	2	18"
E218BCRB10	10	2	18"
E218BCRB10H	10H	2	18"
E218BCRB11	11	2	18"
E218BCRB12	12	2	18"
E316BCRB9	9	3	16"
E316BCRB9H	9H	3	16"
E316BCRB10	10	3	16"
E316BCRB10H	10H	3	16"
E316BCRB11	11	3	16"

# Glove, Black, Straight Cuff

Size	Class	Length
7	1	16"
8	1	16"
8H	1	16"
9	1	16"
9Н	1	16"
10	1	16"
10H	1	16"
11	1	16"
	7 8 8H 9 9H 10	7 1 8 1 8 1 9 1 9 1 1 10 1 1 10 1



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# Glove, Red/Black, Contour Cuff



Salisbury#	Size	Class	Length
E318CRB8	8	3	18"
E318CRB8H	8H	3	18"
E318CRB9	9	3	18"
E318CRB9H	9H	3	18"
E318CRB10	10	3	18"
E318CRB10H	10H	3	18"
E318CRB11	11	3	18"
E318CRB12	12	3	18"

Salisbury#	Size	Class	Length
E218RB8	8	2	18"
E218RB8H	8H	2	18"
E218RB9	9	2	18"
E218RB9H	9Н	2	18"
E218RB10	10	2	18"
E218RB10H	10H	2	18"
E218RB11	11	2	18"
E218RB12	12	2	18"

**SALISBURY** 

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### Leather Protector, Cowhide, OAL 14"

- Top grain cowhide
- Provides excellent protection for rubber insulating gloves
- Features adjustable strap with non-metallic buckles
- Orange cuff



SALISBURY

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Salisbury#	Size
ILP5S8	8/8H
ILP5S9	9/9H
ILP5S10	10/10H
ILP5S11	11/11H
ILP5S12	12

# Leather Protector, Cowhide, OAL 12"

- Top grain cowhide
- Provides excellent protection for rubber insulating gloves
- Orange cuff



# SALISBURY

by Honeywell

Salisbury#	Size
ILP3S/8	8/8H
ILP3S/9	9/9H
ILP3S/10	10/10H
ILP3S/11	11/11H
ILP3S/12	12

# GK214YB Glove Kit, Class 2 Includes 14" Yel/ Blk Gloves, Leather Protectors and Glove Bag



Salisbury#	Size	Туре	
GK214YB/8	8	Straight Cuff	
GK214YB/8H	8H	Straight Cuff	
GK214YB/9	9	Straight Cuff	
GK214YB/9H	9H	Straight Cuff	
GK214YB/10	10	Straight Cuff	
GK214YB/10H	10H	Straight Cuff	
GK214YB/11	11	Straight Cuff	
GK214BCYB/9H	9H	Bell Cuff	
GK214BCYB/10	10	Bell Cuff	
GK214BCYB/10H	10H	Bell Cuff	
GK214BCYB/11	11	Bell Cuff	
GK214BCYB/12	12	Bell Cuff	

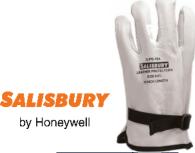
# Glove and Sleeve Bag

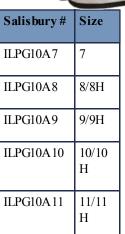
- Heavy duty canvas
- Hook and loop closure
- Double stitched rolled edges add extra strength
- Grommet holes in the bottom of bag for ventilation
- Back snap for hanging

Buckingham#	Description
521	Glove Pocked Measures 17" x 4", Sleeve Pocket Measured 20" x 4"

#### Leather Protector, Goatskin, OAL 10"

- Top grain goatskin
- Pull strap with non-metal buckle
- Provides excellent protection for rubber insulating gloves
- For Class 0 or 00 rubber gloves





12



ILPG10A12





# Sleeve and Combo Bags

- Canvas duck with double stitching
- Flap over top with snap fasteners
- Reinforced quick-release snap for attachment to belt
- Grommets in the bottom provide drainage



Estex#	Description
2449-CE	12" x 4" x 29.5", Sleeve Bag, Canvas
2449-TU-C	12" x 4" x 29", Combo Sleeve and Glove Bag, Canvas
2449-TU-V	12" x 4" x 29", Combo Sleeve and Glove Bag, Vinyl

#### Glove Bag, 1-Pocket

- Canvas duck with double stitching
- Flap over top with snap fasteners
- Reinforced quick-release snap for attachment to belt
- Grommets in the bottom provides drainage



Estex#	Description	
2210	8" x 2" x 12", for 11" Gloves	
2220	8" x 4" x 15", for 14" Gloves	
2223	8" x 4" x 18", for 16" Gloves	
2226	8" x 4" x 20", for 18" Gloves	

# Line Hose Bag

- Rated at 80 lbs. working load limit
- Heavy weight canvas duck
- Black engineered polymer bottom
- Drainage holes
- Polymer ring, IZOD impact strength,
   0.65 ft lbs. per in as per ASTM D256
- Brass swivel snap



Estex#	Description
1950-60	12" x 60"
1950-66	12" x 66"
1950-96	12" x 96"

# Dipped Sleeve, Red/Yellow, Extra Curved Arm



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	Salisbury#	Size	Class
	D2RRY-EC	Reg	2
	D2LRY-EC	Large	2
	D2XLRY-EC	X-Large	2
	D3RRY-EC	Reg	3
	D3LRY-EC	Large	3
	D3XLRY-EC	X-Large	3

Dipped Sleeve, Straight Arm



Salisbury#	Size	Class	Color
D2RRB-ST	Reg	2	Red/Black
D2LRB-ST	Large	2	Red/Black
D2XLRB-ST	X-Large	2	Red/Black
D2RYB-ST	Reg	2	Yellow/Black
D2LYB-ST	Large	2	Yellow/Black
D2XLYB-ST	X-Large	2	Yellow/Black



# Salisbury by Honeywell



# Dipped Sleeve, Extra Curved Arm

Salisbury#	Size	Class	Color
D2RRB-EC	Reg	2	Red/Black
D2LRB-EC	Large	2	Red/Black
D2XLRB-EC	X-Large	2	Red/Black
D3RRB-EC	Reg	3	Red/Black
D3LRB-EC	Large	3	Red/Black
D3XLRB-EC	X-Large	3	Red/Black
D2RRY-EC	Reg	2	Red/Yellow
D2LRY-EC	Large	2	Red/Yellow
D2XLRY-EC	X-Large	2	Red/Yellow

# Slotted Style Blanket

- Type II SALCOR
- Reinforced beaded edge and 28 eyelets





Salisbury#	Description
15	22" x 22", Orange, ASTM Class 4, Type II
1100	36" x 36", Black, ASTM Class 2, Type II
1300	36" x 36", Orange, ASTM Class 4, Type II

# **Molded Sleeves**





# SALISBURY

by Honeywell

Salisbury#	Size	Class	Color
2RY	Reg	2	Yellow
2LY	Large	2	Yellow
2XLY	X-Large	2	Yellow
2RB	Reg	2	Black
D2LB	Large	2	Black
D2XLB	X-Large	2	Black
3RY	Reg	3	Yellow
3LY	Large	3	Yellow
3XLY	X-Large	3	Yellow

# Solid Eyelet Style Blanket

- Type II SALCOR or Type 1 natural rubber
- Reinforced beaded edge and eyelets





Salisbury#	Description
13	22" x 22", Orange, ASTM Class 4, Type II, 28 Eyelets
1000E	27" x 36", Orange, ASTM Class 4, Type II, 6 Eyelets
300E	36" x 36", Orange, ASTM Class 2, Type I, 6 Eyelets
900E	36" x 36", Orange, ASTM Class 4, Type II, 6 Eyelets
901E	36" x 36", Black, ASTM Class 4, Type II, 6 Eyelets

Salisbury

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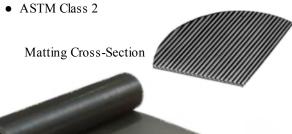
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#### **Switchboard Matting**

- Placed permanently in front of switchgear, motor control centers and other high voltage apparatus
- Corrugated surface acts as safety tread





Salisbury#	Description
M30-2	Class 2, 1/4" x 30" x 25 yds
M36-2	Class 2, 1/4" x 36" x 25 yds
M48-2	Class 2, 1/4" x 48" x 25 yds

# Roll Blanket

- Made from a high strength fabric reinforced type II rubber
- Easy to cut
- Flexible to -40°F/C
- Highly puncture and tear resistant
- ASTM Class 0 or 1



Salis bury #	Description
RLB0	3' x 30', Yellow, Class 0
RLB1	3' x 30', Yellow/Orange, Class 1
RLBPVC1-36	3' x 30', Clear PVC, Class 1
RLBPVC1-48	4' x 30', Clear PVC, Class 1

#### Straight Line Hose, Conventional System

• Flexible in cold weather; not damaged by ozone or ultraviolet rays

• RIB-GRIP Locking System

• Type II SALCOR

ASTM Class 2 or 3



Salisbury#	ID x Length	Case	Туре
OR100-6	1" x 6"	2	II
OR125-45	1.25" x 4.5"	2	II
OR125-6	1.25" x 6"	2	II
OR150-6	1.5" x 6"	3	II

#### **Connector End Line Hose, Conventional System**

- Flexible in cold weather; not damaged by ozone or ultraviolet rays
- RIB-GRIP Locking System
- Type II SALCOR



Salisbury#	ID x Length	Class	Туре
OR100-6C	1" x 6"	2	II
OR100-45C	1" x 4.5"	2	II
OR125-45C	1.25" x 4.5"	2	II
OR125-6C	1.25" x 6"	2	II
OR150-45C	1.5" x 4.5"	3	II
OR150-6C	1.5" x 6"	3	II



# **Insulator Cover, Conventional System**

- Orange, weather resistant Type II SALCOR
- RIB-GRIP Locking System
- Large Diameter arm overlaps the small arm to provide compete insulation
- ASTM Class 2 or 3

# Salisbury

by Honeywell



Salisbury#	Description
OJRG	16" x 6.5", Class 2, for Use with Insulator Class 55-4, 1" Line Hose Size
OKRG	16" x 8", Class 3, for Use with Insulator Class 55-5, Line Hose Size 1.25", 1.5"

# Connector End Line Hose, Extended Lip SU System

- Flexible in cold weather; not damaged by ozone or ultraviolet rays
- RIB-GRIP Locking System
- Type II SALCOR
- ASTM Class 4





Salisbury#	ID x Length	Class	Туре
SU150-45C	1.5" x 4.5"	4	II
SU150-6C	1.5" x 6"	4	II

# Dead End Protector, Extended Lip SU System

- Quickly cover dead-ends or polymer insulators
- RIB-GRIP Locking System
- Type II SALCOR
- ASTM Class 4
- The only complete flexible cover up for use on voltages through 34.5kV



# SALISBURY

by Honeywell

Salisbury #	Description
OR134	5" x 37" Class 4 Type II, Fits Bell Size 3"-4.25", Orange

# Straight Line Hose, Extended Lip SU System

- Flexible in cold weather; not damaged by ozone or ultraviolet rays
- RIB-GRIP Locking System
- Type II SALCOR

Salisbury by Honeywell



Salisbury#	ID x Length	Class	Туре
SU150-45	1.5" x 4.5"	4	II
SU150-6	1.5" x 6"	4	II

# Cross Arm Cover, Conventional System

- Reduces stress on line hose or jumpers
- Fits standard cross arm pin spacing and each unit has interior ribs to minimize shifting on the arm
- Type II SALCOR
- ASTM Class 2

Salisbury#	Description
145	Use on Cross Arms Up To 4" x 4.5", Class 2



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# **Cutout Cover, Conventional System**

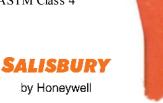
- Can be used for overhead cutouts as well as for underground pad-mount applications
- Type II SALCOR
- ASTM Class 2 or 4



Salisbury#	Description
CC24	24" x 15" x 3.5", Class 2
CC30	30" x 20" x 7", Class 4

# **Lightning Arrester Cover**

- Can be applied with rubber gloves or hot stick
- Slot allows cap to fit directly over arrestor and line connection
- Type II SALCOR
- ASTM Class 4



Salisbury#	ID x Length	Class	Туре
536A	4.5" x 15"	4	П

# **Self-Securing Cable End Cap**

- Keep moisture and contamination off trimmed cable ends
- For underground distribution
- Applied with rubber gloves
- Type II SALCOR
- ASTM Class 2

Salis bury #	ID x Length	Class	Type
117	1.38" x 10"	2	II
173	.81" x 6"	2	П
178	3.19" x 16"	2	II



# **Tagging Device**

- Used to tag opened disconnect switches
- Fits over the head of switch sticks for application
- Molded orange SALCOR

Salisbury#	Description
TD	7.25" Long Slot: 2.13" x.63" Cup: 2.5" x 1.75"



#### Spade Cover

- Provide temporary insulation when working in pad mount transformers and other electrical apparatus
- Molded orange SALCOR
- ASTM Class 2

Salisbury#	Description
SC4	2.75" x 4.4" x 10.75", 1" Lip Extension
SC5	3" x 6" x 10", 2" Lip Extension







# Air Gap Pole Guard

- Installed before setting new poles to guard against accidental line contact
- Made from orange, Type I ABS, cold weather, high impact thermoplastic
- Drilled rope handles
- ASTM Class 4

Salisbury#	Length	Diameter	Class
2496	6'	9"	4
2466	6'	12"	4





Salisbury #	Description
2389	ABS/PVC 4' Stick Type III Class 4, Grade 1

#### Versa Guards

• Designed so that two guards can be coupled together to cover most 13 kV single and double arm, pin and post constructions, 3.92'

# Polyethylene Line Guard

- 1/3 the weight of similar rubber hose
- Snap together feature with male and female connecting ends
- High visibility yellow color
- Large I.D. than traditional rubber hoses (1.77" compared to 1.25")
- Brush contact only

Hastings #	Description
6050	5', 15kV
6060	6', 15kv
6055	5', 25kV
6065	6', 25kV





Salisbury#	Description
21116	Standard Bushing Cover Only
21317	Tri-Port Bushing Cover Only

# **Silicone Bushing Covers**

- Protect against wildlife contacts
- Ozone and UV resistant silicone rubber
- RUS Accepted

# SALISBURY

by Honeywell

# **Rubber Overshoes**

- Ozone resistant yellow rubber-100% waterproof
- Lined in fabric for easy slip on and off
- Available in whole and half sizes (6-12) and whole sizes (13-17)

Salisbury#	Description
51510	Deep Heel





# Overshoe Non-Buckle, Dielectric 20kV

- 100% Waterproof and made from premium grade ozone resistant rubber
- Non-skid bar tread outsole
- Deep heel cavity can lock onto ladder rungs
- 100% Tested to requirements of ASTM F1116
- Available in whole sizes (7-16) only



# **SALISBURY**

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Salisbury#	Description	Size
51511/9	Non-Buckle Overshoe, Bob Sole	9
51511/10	Non-Buckle Overshoe, Bob Sole	10
51511/11	Non-Buckle Overshoe, Bob Sole	11
51511/12	Non-Buckle Overshoe, Bob Sole	12
51511/13	Non-Buckle Overshoe, Bob Sole	13
51511/14	Non-Buckle Overshoe, Bob Sole	14

#### Overshoe Non-Buckle, Dielectric 20kV

- Ozone resistant yellow rubber-100% waterproof
- Outsole t tested to ASTM F2413-05
- Available in whole sizes (6-17) only



# **SALISBURY**

by Honeywell

Salisbury#	Description	Size
51581/9	Storm Rubber	9
51581/10	Storm Rubber	10
51581/11	Storm Rubber	11
51581/12	Storm Rubber	12
51581/13	Storm Rubber	13
51581/14	Storm Rubber	14
51581/15	Storm Rubber	15

#### 17" Full Cut Overboot, Dielectric 20kV

- Ozone resistant yellow rubber-100% waterproof
- Outsole tested to ASTM F2413-05
- Anti-skid bar tread sole
- Available in whole sizes (7-17) only



by Honeywell

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Salisbury#	Description	Size
21402/9	Full Cut Overshoe, 17"	9
21402/10	Full Cut Overshoe, 17"	10
21402/11	Full Cut Overshoe, 17"	11
21402/12	Full Cut Overshoe, 17"	12
21402/13	Full Cut Overshoe, 17"	13
21402/14	Full Cut Overshoe, 17"	14
21402/15	Full Cut Overshoe, 17"	15



# Overshoe 2-Buckle, Dielectric 20kV

- 100% Waterproof and made from premium grade ozone resistant rubber
- Non-skid bar tread outsole
- Deep heel cavity can lock onto ladder rungs
- 100% Tested to requirements of ASTM F1116
- Available in whole sizes (7-17) only

Salisbury#	Description	Size
51512/9	2-Buckle Overshoe, Bob Sole	9
51512/10	2-Buckle Overshoe, Bob Sole	10
51512/11	2-Buckle Overshoe, Bob Sole	11
51512/12	2-Buckle Overshoe, Bob Sole	12
51512/13	2-Buckle Overshoe, Bob Sole	13
51512/14	2-Buckle Overshoe, Bob Sole	14
51512/15	2-Buckle Overshoe, Bob Sole	15





by Honeywell



	Salisbury#	Description	Size
	21405WT/11	Full Cut Overboot, 17"	11
	21405WT/12	Full Cut Overboot, 17"	12
	21405WT/13	Full Cut Overboot, 17"	13
,	21405WT/14	Full Cut Overboot, 17"	14
	21405WT/15	Full Cut Overboot, 17"	15

# Electriguard, 20kV Dielectric Overboot

- 100% Waterproof and made from premium grade ozone resistant rubber
- 14' and 17' available
- Wider opening and pull handles
- 100% Tested to requirements of ASTM F1116
- Available in whole sizes (7-16) only

# Salisbury

by Honeywell

### **Ten-Four Glove Dust**

• Absorbs moisture and perspiration when wearing rubber gloves

Salisbury#	Description
10-4	5 oz. Squeeze Bottle



# SALISBURY

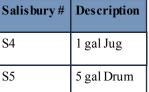
by Honeywell

Salisbury#	Description
S4	1 gal Jug

**Super SALCO Detergent** 

• Concentrated detergent with grease release formula

• Suitable for washing rubber gloves,





# **SALCON Silicone Spray**

- Reduces friction on SALCOR or natural rubber products
- May be used to spray spark plugs and battery terminals in damp weather

Salisbury#	Description
S99	16 oz. Aerosol Can



Salisbury by Honeywell



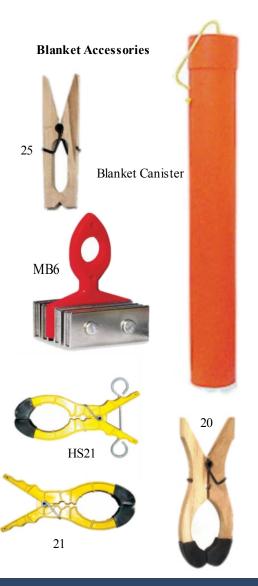




Polywater #	Size
RBG-D72	72-Count Saturated Wipe Dispenser
RBG-1	Individual Saturated Wipe
RBG-35LR	1 qt. Bottle with Sprayer
RBG-128	1 gal. Bottle
RBG-640	5 gal. Pail

# **Rubber Goods Cleaner**

- Specially formulated water-based cleaner for removing dirt, grease and grime from lineman's gloves, sleeves, jumper cables and other rubber goods
- Safe for use on all natural and synthetic rubbers
- Contains no hazardous ingredients and is pH neutral
- Completely biodegradable and safe for the environment



Salisbury#	Description
20	8.5" Wood Blanket Clamp Pin w/Pin Boots
21	9.5" Nylon Blanket Clamp Pin w/Pin Boots
25	7" Wood Blanket Clamp Pin w/o Pin Boots
HS21	9.5" Nylon Blanket Clamp Pin w/Pin Boots
MB6	Magnetic Blanket Button
P2	5" x 37" Orange, Hi-Impact Polyethylene Blanket Canister for 1-2 Blankets
P4	7" x 37" Orange, Hi-Impact Polyethylene Blanket Canister for 1-4 Blankets
P6	9" x 37" Orange, Hi-Impact Polyethylene Blanket Canister for 1-6 Blankets

# **SALISBURY**

by Honeywell

#### **Sleeve Accessories**



Salisbury#	Description
B-22	Two-Piece Sleeve Buttons (4)
H1-NB	Sleeve Harness w/o Buttons
S1	15" Sleeve Strap w/Buttons
S1-NB	15" Sleeve Strap w/o Buttons



# **Stinger Cover**

- Protect against phase to phase and phase to ground wildlife contacts
- Can be installed without disconnecting the lead wire from the bushing
- Made from ozone and UV resistant SALCOR elastomer in grey color

Salis bury #	ID x Length
38-50SC	3/8" x 50"
38-100SC	3/8" x 100"
58-12SC	5/8" x 12'
58-50SC	5/8" x 50'
58-100SC	5/8" x 100'
34-12SC	3/4" x 12"
34-25SC	3/4" x 25"



#### Glove Accessories



# SALISBURY

by Honeywell

Salisbury#	Description
G99	Glove Inflator Kit
G100	Glove Inflator Kit with Adapter
INF-2	Standard Bench Model Inflator with Air-Line Connection
INF-3	Standard Floor Model Inflator



Utility Solutions #	Pole Range	Length
USCP-001	6"-11" Diameter	16"
USCP-002	11"-20" Diameter	23"

# Klondike Clamps

- Quickly and safely secures rubber blankets in position on poles without damaging the blankets
- Molded from tough weather-resistant polymer
- Assembled completely with stainless steel hardware

# Wildlife ZapShield

- Designed for distribution substation equipment bushing of 15kV and 25kv
- Rauck-Shock technology engineered polymer
- Minimizes occurrences of animal related electric service interruptions
- Delivers non-lethal electrostatic discharge when contacted by animal

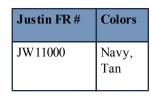
Rauckman #	Description
W-1525R	Red Wildlife Animal Guard
W-1525G	Gray Wildlife Animal Guard













#### Justin FR J-TEK Tough Ripstop Pants

- 100% Cotton Mini Ripstop fabric
- Straight legged design to allow an easy fit over work boots
- Weather-washed so they have broken in comfort from first wear
- Dual certified to NFPA 2112 and 70E
- ATPV rating of 11

# Available Sizes:

Waist	Inseam (even sizes only)
28"	30"
30"	30"-32"
32"	30"-34"
34"	30"-36"
36"-50"	32"-36"

#### Justin FR J-TEK Treater Canvas Pants

- 88% cotton and 12% nylon canvas fabric
- ATPV rating of 15 and a predicted 7% body burn
- Dual certified to NFPA 2112 and 70E
- Straight leg design to fit easily over work boots
- Weather-washed for comfort from first wear

#### Available Sizes:

Waist	Inseam (even sizes only)
28"	30"
30"	30"-32"
32"	30"-34"
34"	30"-36"
36"-50"	32"-36"

Justin FR#	Colors
JW11001	Navy





Justin FR#	Colors
JW 11002	Realtree



# Justin FR J-TEK Realtree Camo Pants

- 100% cotton twill fabric
- Dual-certified NFPA 2112 and 70E
- ATPV rating of 8.5
- Straight leg design to fit easily over work boots
- Weather-washed for a comfortable fit

#### Available Sizes:

Waist	Inseam (even sizes only)
28"	30"
30"	30"-32"
32"	30"-34"
34"	30"-36"
36"-50"	32"-36"



#### Justin FR J-TEK Relaxed Fit Jeans

- 100% cotton denim with a relaxed, comfortable fit
- Dual certified to NFPA 2112 and 70E
- ATPV rating of 17
- Dark wash with wide waistband and wide belt loops

# **Available Sizes:**

Waist (even sizes) Inseam (even sizes only)

30"-50" 30"-36"

Justin FR#	Colors
JW11006	Indigo





Justin FR#	Colors
JW22000	Red, Navy

#### Justin FR J-TEK Breathable Cotton Polo

- 100% Cotton for a comfortable yet professional feel
- Raglan sleeves and gusseted sides to allow flexibility and increased mobility
- No-roll collar and ribbed cuffs gives this shirt a clean look and feel

#### Available Sizes:

Regular Long S-5XL L-2XL



- 100% cotton, this tee is breathable and absorbent
- Raglan sleeves and gusseted sides gives ease of movement without restraint
- Crew neck collar with a V-front stitch
- ATPV rating of 9.6.

#### **Available Sizes:**

Regular Long S-5XL L-2XL

Justin FR#	Colors
JW22005	Grey/Navy, Navy/Grey, Tan/Black







Justin FR#	Colors
JW 44010	Black

# Justin FR J-TEK Polartec Jacket

- Highly compact knit fabric of Polartec Wind Pro FR fleece
- Wind and water resistant
- Mock neck collar adds protection against
- Dual certified to NFPA 2112 and 70E
- ATPV rating of 16.

# Available Sizes:

Regular S-5XL

#### Justin FR J-TEK Polartec Hoodie

- Polartec Wind Pro FR Fleece with highly compact knit
- Wind and water resistant
- Hoodie includes mock neck collar
- Front pockets with zip closure and contrast stitching for increased durability.

# **Available Sizes:** Regular S-5XL



Justin FR#	Colors
JW44010RT	Black/Realtree

Justin FR#

JW44030

Colors

Navy



# Justin FR J-TEK Realtree Polartec Jacket

- Polartec Wind Pro FR Fleece with highly compact knit
- Wind and water repellent
- Dual certified to NFPA 2112 and 70E, along with an
- ATPV rating of 8.5.
- Mock neck collar to help fight the elements.

# Available Sizes:

Regular S-5XL



#### Justin FR J-TEK Realtree Polartec Vest

- Polartec Wind Pro FR Fleece with highly compact knit which repels wind and water to keep you comfortable while you work.
- Dual certified to NFPA 2112 and 70E
- ATPV rating of 8.6.
- Can be layered with other flame resistant clothes for full body protection.
- Mock neck collar for added protection against the elements.

#### **Available Sizes:**

Regular S-5XL

JW44015 Black/Realtree	Justin FR#	Colors
	JW 44015	Black/Realtree





1	
	TINGLEY A TRADITION SINCE 1890

Tingley#	Sizes
O44122	S-5XL

# **Eclipse Overall**

- Quad-Hazard, High Visibility
- Liquid Proof, Arc Flash and Flash Fire Protection
- Snap fly front
- Non-conductive hardware
- Heavy duty quick release buckles and crossover
- Hook & loop take-up straps on ankle cuffs for adjustable fit
- ASTM F2733, ASTM F1891, ANSI 107 Class 3

# Eclipse Jacket

- Quad-Hazard protection, high visibility, liquid proof, are flash and flash fire protection
- Thermo-Grid technology helps block out heat energy
- Chemically resistance to many acids, oils, alcohols, salts and alkalizes
- Zipper/storm fly front with snap closure and hidden hardware
- Oversized 3 piece hood with

- adjustable hook & loop take-up straps
- Non-conductive, non-corrosive hardware
- D-ring access for fall protection harness
- Hook & loop takeup straps on wrists for adjustable fit
- Adjustable elastic draw cord for added protection
- Full-vented cape back for improved air circulation
- ASTN F2733, ASTM F1891, ANSI 107 Class 3

Tingley#	Sizes
J44122	S-5XL







# **Application For Credit**

SPECIAL FLEET SERVICE, INC. 2500 S. MAIN STREET

HARRISONBURG, VA 22801

PHONE: 540-433-7727 FAX: 540-438-9502

OUR NORMAL CREDIT TERMS: NET 30 DAYS

NAME OF FIRM OR INDIVIDU	AL			YEARS AT THIS	S ADDRESS
NAME OF OWNER					
ADDRESS	·				
CITY	STATE	ZIP		AREA CO	ODE PHONE #
ACCOUNTING CONTACT:		FAX:			
THE FOLLOWING IN	NFORMATION MUST BE	PROVIDED. IT WI	LL BE HELD IN TH	HE STRICTEST CONFIDE	ENCE.
FINANCE:	BANK ADDRESS				
BANK	BANK AD	DKESS			
BANK OFFICER OR DEPARTMENT			PHONE	FA	ιX
REFERENCES:					
1					
BUSINESS NAME		TE ADDRESS	ZIP	PHONE	FAX
2					
BUSINESS NAME	COMPLET	TE ADDRESS	ZIP	PHONE	FAX
3					
BUSINESS NAME	COMPLET	TE ADDRESS	ZIP	PHONE	FAX
4					
BUSINESS NAME	COMPLET	TE ADDRESS	ZIP	PHONE	FAX

\*\*\*\* IF TAX EXEMPT, PLEASE PROVIDE EXEMPTION FORM



Toll Free: 800-796-9027 Fax: 540-438-9502

www.specialfleettools.com

# **Rubber Goods Testing Form**

Customer Info:						
				- -		
Purchase Order #:			Da	ate:		_
Contact Person:			Ph	one #:		
	Class 00	Class 0	Class 1	Class 2	Class 3	Class 4
Pairs of Gloves						
Pairs of Sleeves						
Number of Blankets						
Number of Line Hose						
Number of Hoods/Covers						
Should we call you if items fail?	Should w	e replace faile	ed items?	Shou	ıld we return f	àiled items?
Comments:						
Signature:						

**Special Fleet Service: Tool & Safety Divisions** 

2500 S. Main Street



# **Tool Repair Form**

Customer Info:	Bill To: (if different):
Purchase Order #:	Date:
Contact Person:	Phone #:
Mfg # and Name:	Serial #:
Under Warranty?:	# of Batteries:
Tool Accessories Included:	
SFS Tool Repair Policies:	

- There will be a charge for estimates if the customer requires an estimate on every tool before it is repaired and if the tool is not repaired or replaced in 30 days.
- If the cost of the repair on the tool is 50% or less of the replacement value, we will proceed with the repair unless otherwise agreed upon
- If the cost of the repair exceeds 50% we will notify you for approval prior to repair

Signature:

Special Fleet Service: Tool & Safety Divisions

2500 S. Main Street



# **Grounding Order Form**

Customer Info:	Bill To: (if different):
Purchase Order #:	Date:
Contact Person:	Phone #:
Cable Size (#2, 1/0, 2/0, 4/0):	
Cable Color (Clear or Yellow):	
Cable Length:	
Clamp Part #:	
OR	
C-Clamp (Include Largest Conductor to be used on):	
Duckbill (Include Largest Conductor to be used on): _	
Flatface (Eye Screw or T-Handle):	
Bus Clamp (Include Largest Bus to be used on):	
All-Angle Clamp:	
Ball Stud Clamp:	
**Customer is responsible for specifying if they need unshrouded to	ferrules with heat shrink tubing instead of shrouded ferrules**
Signature:	
Special Fleet Service: To	ool & Safety Divisions

2500 S. Main Street



Customer Info:	
Purchase Order #:	Date:
Contact Person:	
Cable Size (#2=200A, 1/0=250A, 2/0=300	A, 4/0=400A):
Voltage (15KV, 25KV, 35KV):	
Cable Length:	
Jumper Head (Orange or Clear):	
Largest conductor that the head will need to	fit:
For Ground Clamps Installed (C-Clamp or I	Duckbill):
Largest conductor that the clamp will need to	o fit:
Signature:	

**Special Fleet Service: Tool & Safety Divisions** 

2500 S. Main Street



# Reference

# **ACSR** (Aluminum Conductor Steel Reinforced)

For Cable Diameter 4 AWG - 636 MCM .250"953" (6.35 mm - 24.21 mm)			MAXIMUM SAFE LOAD See facing for grip				
			<b>A</b> 4,500 lbs	<b>B</b> 8,000 lbs	C 15,000 lbs	<b>D</b> 20,000 lbs	
AWG or MCM Cable Size	Diameter inches (mm)	No. of Alum. & Steel Strands	Code Word	(2041 kg) Cat. No.	(3629 kg) Cat. No.	(6803 kg) Cat. No.	(9072 kg) Cat. No.
4	.250° (6.35 mm)	6 x 1	Swan	1656-20, 1656-20H & S1656-20H			
4	.257" (6.53 mm)	7 x 1	Swanate	1656-20, 1656-20H & S1656-20H			
2	.316" (8.03 mm)	6 x 1	Sparrow	1656-20, 1656-20H, S1656-20H, 1656-30, 1656-30H & S1656-30H		1628-16PE*	
2	.325° (8.26 mm)	7 x 1	Sparate	1656-20, 1656-20H, S1656-20H, 1656-30, 1656-30H & S1656-30H		1628-16PE*	
I	.354" (9.02 mm)	6 x 1	Robin	1656-20, 1656-20H, S1656-20H, 1656-30, 1656-30H & S1656-30H		1628-16PF*	
1/0	.398" (10.11 mm)	6 x 1	Raven	1656-20, 1656-20H, S1656-20H, 1656-30, 1656-30H & S1656-30H		1628-16PG*	
2/0	.447" (11.35 mm)	6 x 1	Quail	1656-30, 1656-30H & S1656-30H		1628-16PG*	
3/0	.502° (12.75 mm)	6 x 1	Pigeon	1656-30, 1656-30H & S1656-30H		1628-16PH*	
4/0	.563" (14.30 mm)	6 x 1	Penguin		1656-40, 1656-40H & S1656-40H	1628-16PI*	
266.8 MCM	.609" (15.47 mm)	18 x 1	Waxwing		1656-40, 1656-40H & S1656-40H	1628-16PJ*	
266.8 MCM	.642" (16.31 mm)	26 x 7	Partridge		1656-40, 1656-40H & S1656-40H	1628-16PK*	
300 MCM	.680° (17.27 mm)	26 x 7	Ostrich		1656-40, 1656-40H & S1656-40H	1628-16PK*	
336.4 MCM	.684° (17.37 mm)	18 x 1	Merlin		1656-40, 1656-40H & S1656-40H	1628-16PK*	
336.4 MCM	.720° (18.31 mm)	26 x 7	Linnet		1656-40, 1656-40H & S1656-40H	1628-16PL*	
336.4 MCM	.741" (18.82 mm)	30 x 7	Oriole			1628-16PL*	
397.5 MCM	.743" (18.87 mm)	18 x 1	Chickadee		1656-50, 1656-50H & S1656-50H	1628-16PL*	
397.5 MCM	.772" (19.61 mm)	24 x 7	Brant		1656-50, 1656-50H & S1656-50H	1628-16PM*	
397.5 MCM	.783" (19.89 mm)	26 x 7	lbis		1656-50, 1656-50H & \$1656-50H	1628-16PM*	
397.5 MCM	.806" (20.47 mm)	30 x 7	Lark		1656-50, 1656-50H & S1656-50H	1628-16PM*	
477 MCM	.814" (20.68 mm)	18 x 1	Pelican		1656-50, 1656-50H & S1656-50H	1628-16PM*	
477 MCM	.846" (21.49 mm)	24 x 7	Flicker		1656-50, 1656-50H & S1656-50H	1628-16PN*	1628-30N*
477 MCM	.858" (21.79 mm)	26 x7	Hawk		1656-50, 1656-50H & S1656-50H	1628-16PN*	1628-30N*
556.5 MCM	.879" (22.33 mm)	18 x 1	Osprey		1656-60, 1656-60H & \$1656-60H	1628-16PN*	1628-30N*
477 MCM	.883" (22.43 mm)	30 x 7	Hen		1656-60, 1656-60H & S1656-60H	1628-16PN*	1628-30N*
556.5 MCM	.914" (23.22 mm)	24 x 7	Parakeet		1656-60, 1656-60H and S1656-60H		1628-300*
556.5 MCM	.927° (23.55 mm)	26 x 7	Dove		1656-60, 1656-60H & S1656-60H		1628-300*
636 MCM	.940° (23.88 mm)	18 x 1	Kingbird		1656-60, 1656-60H & S1656-60H		1628-300*
556.5 MCM	.953" (24.21 mm)	30 x 7	Eagle		1656-60, 1656-60H & S1656-60H		1628-300*
605 MCM	.953" (24.21 mm)	24 x7	Peacock		1656-60, 1656-60H & S1656-60H		1628-300*



<sup>&</sup>quot;S" is for spring. "H" is for hot latch.
\*Special order only. Please allow 30 days for delivery. These are not returnable.

# Reference

# **ACSR** (Aluminum Conductor Steel Reinforced)

	Diameter			MAXIMUM SAFE LOAD for grip				
	1 <b>5 MCM</b> 88" (24.54 mn	n - 47.75 mr	n)	<b>A</b> 5,500 lbs	8,000 lbs	20,000 lbs	<b>D</b> 25,000 lbs	<b>E</b> 25,000 lbs.
MCM Cable Size	Diameter	No. of Alum. & Steel Strands	Code Word	(2,495 kg) Cat. No.	(3,636 kg) Cat. No.	(9,072 kg) Cat. No.	(11,340 kg) Cat. No.	with bolt on jaw (11,340 kg) Cat. No.
605 MCM	.966" (24.54 mm)	26 x 7	Squab		1678-20	1628-30P*		1628-50P*
636 MCM	.977* (24.82 mm)	24 x 7	Rook		1678-20	1628-30P*		1628-50P*
636 MCM	.991" (25.15 mm)	26 x 7	Grosbeak		1678-20	1628-30P*		1628-50P*
605 MCM	.994" (25.25 mm)	30 x 19	Teal		1678-20	1628-30P*		1628-50P*
605 MCM	.994" (25.25 mm)	30 x 7	Wood Duck		1678-20	1628-30P*		1628-50P*
666.6 MCM	1.00° (25.40 mm)	24 x 7	Flamingo		1678-20	1628-30P*		1628-50P*
666.6 MCM	1.014' (25.76 mm)	26 x 7	Gannet		1678-20	1628-30P*		1628-50P*
636 MCM	1.019' (25.88 mm)	30 x 19	Egret		1678-20	1628-30R*		1628-50R*
636 MCM	1.019' (25.88 mm)	30 x 7	Scoter		1678-20	1628-30R*		1628-50R*
795 MCM	1.040' (26.41 mm)	36 x 1	Coot	1678-30	1010-20	1628-30R*		1628-50R*
715.5 MCM	1.040 (26.41 mm)	26 x 7	Starling	1678-30		1628-30R*		1628-50R*
795 MCM	1.063* (27.00 mm)	45 x 7	Tern	1678-30		1628-30R*		1628-50R*
715.5 MCM	1.063 (27.00 mm)	30 x 19	Redwing	1678-40		1628-30S*		1628-50S*
715.5 MCM 795 MCM	1.001 (27.46 mm)	50 x 19	Condor	1678-40		1628-30S*		1628-50S*
795 MCM	1.092' (27.74 mm)	24 x 7	Cuckoo	1678-40		1628-30S*		1628-50S*
795 MCM	1.107' (28.14 mm)	26 x 7	Drake	1678-40		1628-30S*		1628-50S*
900 MCM	1.107 (28.73 mm)	45 x 7	Ruddy	1678-40		1628-30S*		1628-50S*
795 MCM	1.140' (28.96 mm)	30 x 19	Mallard	1678-40		1628-30S*		1628-50S*
900 MCM	1.140 (20.50 mm)	54 x 7	Canary	1678-50		1628-30T*		1628-50T*
954 MCM	1.165' (29.59 mm)	20 x 7	Corncrake	1678-50		1628-30T*		1628-50T*
954 MCM			Rail					The state of the s
	1.165' (29.59 mm)	45 x 7		1678-50		1628-30T*		1628-50T*
954 MCM	1.175' (29.85 mm)	48 x 7	Towhee	1678-50		1628-30T*		1628-50T*
954 MCM	1.196' (30.38 mm)	54 x 7	Cardinal	1678-50		1628-30T*		1628-50T*
954 MCM	1.196' (30.38 mm)	24 x 7	Redbird	1678-50		1628-30T*	1000 4011*	1628-50T*
1033.5 MCM	1.212' (30.81 mm)	45 x 7	Ortolan			1628-30U*	1628-40U*	1628-50U*
1033.5 MCM	1.245' (31.65 mm)	54 x 7	Curlew			1628-30U*	1628-40U*	1628-50U*
1113 MCM	1.258' (31.95 mm)	45 x 7	Bluejay			1628-30U*	1628-40U*	1628-50U*
1113 MCM	1.292' (32.84 mm)	54 x 19	Finch				1628-40W*	1628-50W*
1192.5 MCM	1.302' (33.07 mm)	45 x 7	Bunting				1628-40W*	1628-50W*
1272 MCM	1.317' (33.45 mm)	36 x 1	Skylark				1628-40W*	1628-50W*
1192.5 MCM	1.337" (33.99 mm)	54 x 19	Grackle				1628-40X*	1628-50X*
1272 MCM	1.345" (34.16 mm)	45 x 7	Bittern				1628-40X*	1628-50X*
1272 MCM	1.381' (35.10 mm)	54 x 19	Pheasant				1628-40X*	1628-50X*
1351.5 MCM	1.386' (35.20 mm)	45 x 7	Dipper				1628-40X*	1628-50X*
1351.5 MCM	1.424" (36.17 mm)	54 x 19	Martin				1628-40Y*	1628-50Y*
1431 MCM	1.427' (36.25 mm)	45 x 7	Bobolink				1628-40Y*	1628-50Y*
1431 MCM	1.465' (37.21 mm)	54 x 19	Plover				1628-40Z*	1628-50Z*
1590 MCM	1.504' (38.15 mm)	45 x 7	Lapwing				1628-40Z*	1628-50Z*
1590 MCM	1.544' (39.24 mm)	54 x 19	Falcon				1628-40A*	1628-50A*
1780 MCM	1.602° (40.69 mm)	84 x 19	Chukar					1628-50B*
2034.5 MCM	1.681' (42.70 mm)	72 x 7	Mockingbird					1628-50C*
2167 MCM	1.735' (44.12 mm)	72 x 7	Kiwi					1628-50D*
2156 MCM	1.762' (44.75 mm)	84 x 19	Bluebird					1628-50D*
2312 MCM	1.802' (45.77 mm)	76 x 19	Thrasher					1628-50E*

<sup>\*</sup>Special order only. Please allow 30 days for delivery. These are not returnable.



# Reference

# **AAC** (All Aluminum Conductor)

For Cable	Diameter				MAXIMUM S	SAFE LOAD	See facing po for grip det
4 AWG -	650 MCM			Α	В	С	D
.231"928" (5.87 mm - 23.57 mm)		4,500 lbs (2041 kg)	8,000 lbs (3629 kg)	15,000 lbs (6803 kg)	20,000 lbs (9072 kg)		
AWG or MCM Cable Size	Diameter inches (mm)	No. of Alum. Strands	Code Word	Cat. No.	Cat. No.	Cat. No.	Cat. No.
4	.231" (5.87 mm)	7	Rose	1656-20, 1656-20H and S1656-20H			
2	.292" (7.42 mm)	7	Iris	1656-20, 1656-20H and \$1656-20H			
1	.328' (8.33 mm)	7	Pansy	1656-20, 1656-20H, S1656-20H, 1656-30, 1656-30H and S1656-30H		1628-16PE*	
1/0	.369' (9.36 mm)	7	Рорру	1656-20, 1656-20H, S1656-20H, 1656-30, 1656-30H and S1656-30H		1628-16PF*	
2/0	.414' (10.51 mm)	7	Aster	1656-30, 1656-30H and S1656-30H		1628-16PG*	
3/0	.465" (11.81 mm)	7	Phlox	1656-30, 1656-30H and S1656-30H		1628-16PH*	
4/0	.522" (13.25 mm)	7	Oxlip	1656-30, 1656-30H and \$1656-30H		1628-16PI*	
250 MCM	.567" (14.40 mm)	7	Sneezewort		1656-40, 1656-40H and S1656-40H	1628-16PI*	
250 MCM	.574' (14.58 mm)	19	Valerian		1656-40, 1656-40H and S1656-40H	1628-16PI*	
266.8 MCM	.586' (14.88 mm)	7	Daisy		1656-40, 1656-40H and S1656-40H	1628-16PJ*	
266.8 MCM	.593' (15.05 mm)	19	Laurel		1656-40, 1656-40H and S1656-40H	1628-16PJ*	
300 MCM	.628' (15.95 mm)	19	Peony		1656-40, 1656-40H and S1656-40H	1628-16PJ*	
336.4 MCM	.665' (16.90 mm)	19	Tulip		1656-40, 1656-40H and S1656-40H	1628-16PK*	
350 MCM	.678" (17.22 mm)	19	Daffodil		1656-40, 1656-40H and S1656-40H	1628-16PK*	
397.5 MCM	.724' (18.38 mm)	19	Canna		1656-40, 1656-40H and S1656-40H	1628-16PL*	
450 MCM	.769' (19.53 mm)	19	Goldentuft		1656-50, 1656-50H and S1656-50H	1628-16PM*	
477 MCM	.792" (20.12 mm)	19	Cosmos		1656-50, 1656-50H and S1656-50H	1628-16PM*	
477 MCM	.794' (20.18 mm)	37	Syringa		1656-50, 1656-50H and S1656-50H	1628-16PM*	
500 MCM	.811" (20.60 mm)	19	Zinnia		1656-50, 1656-50H and S1656-50H	1628-16PM*	
500 MCM	.813" (20.65 mm)	37	Hyacinth		1656-50, 1656-50H and S1656-50H	1628-16PM*	
556.5 MCM	.856' (21.73 mm)	19	Dahlia		1656-50, 1656-50H and S1656-50H	1628-16PN*	1628-30N*
556.5 MCM	.858' (21.80 mm)	37	Mistletoe		1656-50, 1656-50H and S1656-50H	1628-16PN*	1628-30N*
600 MCM	.891" (22.63 mm)	37	Meadowsweet		1656-60, 1656-60H and S1656-60H		1628-300*
636 MCM	.918' (23.31 mm)	37	Orchid		1656-60, 1656-60H and S1656-60H		1628-300*
650 MCM	.928' (23.57 mm)	37	Heuchera		1656-60, 1656-60H and S1656-60H		1628-300*



<sup>&</sup>quot;S" is for spring. "H" is for hot latch.
\*Special order only. Please allow 30 days for delivery. These are not returnable.

# **AAC** (All Aluminum Conductor)

For Cable	Diameter			MAXIMUM SAFE LOAD See facing pag for grip detail				See facing page for grip details
<b>700 - 2500 MCM</b> .963" - 1.823" (24.46 mm - 46.30 mm)			5,500 lbs (2,268 kg)	8,000 lbs (3,629 kg)	20,000 lbs (9,072 kg)	25,000 lbs (11,340 kg)	25,000 lbs. (11,340 kg) with bolt on jaw	
MCM Cable Size	Diameter inches (mm)	No. of Alum. & Steel Strands	Code Word	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.
700 MCM	.963" (24.46 mm)	37	Verbena		1678-20	1628-30P*		1628-50P*
700 MCM	.964" (24.49 mm)	61	Flag		1678-20	1628-30P*		1628-50P*
715.5 MCM	.974" (24.73 mm)	37	Violet		1678-20	1628-30P*		1628-50P*
715.5 MCM	.975" (24.76 mm)	61	Nasturtium		1678-20	1628-30P*		1628-50P*
750 MCM	.997" (25.32 mm)	37	Petunia		1678-20	1628-30P*		1628-50P*
750 MCM	.998" (25.35 mm)	61	Cattail		1678-20	1628-30P*		1628-50P*
795 MCM	1.026" (26.07 mm)	37	Arbutus	1678-30		1628-30R*		1628-50R*
795 MCM	1.028" (26.11 mm)	61	Lilac	1678-30		1628-30R*		1628-50R*
800 MCM	1.029" (26.14 mm)	37	Fuchsia	1678-30		1628-30R*		1628-50R*
800 MCM	1.031" (26.19 mm)	61	Heliotrope	1678-30		1628-30R*		1628-50R*
874.5 MCM	1.076" (27.37 mm)	37	Anemone	1678-30		1628-30R*		1628-50R*
874.5 MCM	1.077" (27.36 mm)	61	Crocus	1678-30		1628-30R*		1628-50R*
900 MCM	1.092" (27.74 mm)	37	Cockscomb	1678-40		1628-30S*		1628-50S*
954 MCM	1.124" (28.55 mm)	37	Magnolia	1678-40		1628-30S*		1628-50S*
954 MCM	1.126" (28.60 mm)	61	Goldenrod	1678-40		1628-30S*		1628-50S*
1000 MCM	1.152" (29.26 mm)	61	Camellia	1678-50		1628-30T*		1628-50T
1000 MCM	1.152" (29.26 mm)	37	Hawkweed	1678-50		1628-30T*		1628-50T*
1033.5 MCM	1.170" (29.71 mm)	37	Bluebell	1678-50		1628-30T*		1628-50T*
1033.5 MCM	1.172" (29.76 mm)	61	Larkspur	1678-50		1628-30T*		1628-50T*
1113 MCM	1.216" (30.88 mm)	61	Marigold			1628-30U*	1628-40U*	1628-50U*
1192.5 MCM	1.258" (31.96 mm)	61	Hawthorn			1628-30U*	1628-40U*	1628-50U*
1272 MCM	1.297" (32.94 mm)	61	Narcissus				1628-40W*	1628-50W*
1351.5 MCM	1.339" (34.02 mm)	61	Columbine				1628-40X*	1628-50X*
1431 MCM	1.379" (35.02 mm)	61	Carnation				1628-40X*	1628-50X*
1510.5 MCM	1.417" (35.98 mm)	61	Gladiolus				1628-40Y*	1628-50Y*
1590 MCM	1.454" (36.93 mm)	61	Coreopsis				1628-40Z*	1628-50Z*
1750 MCM	1.524" (38.72 mm)	61	Jessamine				1628-40A*	1628-50A*
2000 MCM	1.630" (41.41 mm)	91	Cowslip					1628-50B*
2250 MCM	1.729" (43.92 mm)	91	Sagebrush					1628-50D*
2500 MCM	1.823" (46.30 mm)	91	Lupine					1628-50E*

<sup>\*\*</sup> Maximum safe stringing tension 12,500 lbs to minimize cable deformation.
\* Special order. Please allow 30 days for delivery. These are not returnable.



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Estex 94 A Adapters **Blanket Accessories** Chance 121, 122 Salisbury 192 Greenlee 24 **Blocks AEMC** Klein 139 Block & Tackle Meters 156 Klein 138 Resistance Tester 156 **Body Belts** American Polywater Bashlin 142, 144 Cleaner 86, 87, 192 Buckingham 142, 143, 144 **Animal Guards Bolt Cutters** Rauckman 193 Greenlee 42 **Application for Credit 198** Hastings 41 Aprons H.K. Porter 40 Buckingham 90 Klein 41 Estex 89, 90 **Bone Safety Signs Arc Snuffer Removal Tool** Sign Stands 165 Chance 81 Traffic Signs 164, 165 **Arm Extensions Boosters** Hastings 78, 79 Greenlee 36 Assemblies Breaker Assy. Chance 121 Greenlee 34, 35 **Auger Bits** Greenlee 28 **Brush Sets** Klein 115 B **Bucket Covers Ball Studs** Estex 95 Chance 134 Salisbury 133 **Bucket Steps** Hastings 94 **Ball & Socket Systems Bucket Sticks** Salisbury 133 Hastings 80 **Barricade Bars Bucket Storage Bags** Hastings 164 Buckingham 88 Bashlin Estex 89 Body Belt 142, 144 Klein 88, 89 Climbers 147 Warren Heim 88 Gaff Guard 152 Buckingham Mfg. Gaff Shaping Kit 153 Apron 90 Lanyard 148, 149, 150, 151 Body Belt 142, 143, 144 Pole Sling 147 Boom Strap 151 Replacement Gaffs 146 **Buck Limiter 151 Batteries** Carabiner 152 Greenlee 26 Climber Strap 151 Makita 26 Gaff Guard 152 Streamlight 172 Gaff Maintenance Kit 145 **Battery Chargers** Gaff Pole Climbers 146 Huskie 25 Glove and Sleeve Bag 183 Makita 26 Ground Flag 135 **Battery Packs** Gut Strap 146 Huskie 26 Handline Hook 137 **Battery Tools 10-26** Harness 153, 154 **Bierer Meters** Headline Hook 137 Phasing Meters 157 Holster 92 Voltage Detectors 159 Knives 58 **Blade Covers** 



		Index	
Bucking	ham cont.		Canister Kits
	Lanyards 148, 149, 150, 151		Hastings 87
	Ox Blocks 139		Cant Hook
	Pads 145		Dixie 124
	Pole Climbers 146		Hastings 125
	Positioning Straps 150, 151		OshKosh 124
	Rescue Systems 155		Cant Tool
	Snap 151, 152		Hastings 125
	Tool Bag 88, 92		Carabiner
	Tool Tray 93		Buckingham 152
Burndy			Cembre
	Cable Cutter 30		Cable Cutter 48
	Crimping Tool 12, 13, 15, 16, 17, 18, 45, 46, 47		Crimping Tool 12, 16, 18
	Compression Tool 29		Cutting Tool 22
	Cutting Tool 12, 20, 21		Presshead 31, 32
	Dies 24, 25		Cementex
	Hydraulic Tool 46		Cable Cutters 49
	Impact Wrench 27		Nut Drive Set 53
	Jaw Assemblies 19		Pliers 61, 62
	Pole Cutter 21		Ratchet 71
	Pump 36		Screwdrivers 49, 50
	Ratchet Tool 45		Screwdriver Sets 50
			Socket Sets 67
	Remote Operated Hydraulic Tool 32 Wiremike 72		Tool Sets 54
Duahina			Wrenches 66
Bushing			Wrench Sets 65, 66
Demogra T	Salisbury 189		Chains aws
Bypass T			Greenlee 33
	Utility Solutions 84		Chamfer Tools
Cabla Cu	<u>C</u>		Speed Systems 112
Cable Cu			Chance
	Burndy 30 Cembre 48		
	Cementex 49		Adapters 121, 122
	Chance 48		Arc Snuffer Removal Tool 81
			Assemblies 121
	Greenlee 22, 23, 39, 41, 43		Cable Cutters 48
	H.K. Porter 40, 42		Clampstick 73, 74, 75
	Huskie 19		Cleaners 86, 87
	Jenny Tools 44		Cluster Bar 134
Cabla En	Klein 43, 44, 49		Cluster support 134
Cable Eli	d Strippers		Conductor Support 79
C.U. C.	Utility Tool 109, 110, 111		Covers 81
Cable Gr	-		Disconnect Tool 76
	DCD 96		Drive-End Wrenches 121
	Hubbell 97, 98		Elbow Puller Tool 77
C 11 B	Slingco 96, 97, 98		Extension Arm 79
Cable Pu			Extension Arm Accessories 82
	Greenlee 104		Grounding Clamps 127, 128, 129, 130
a	Sherman & Reilly 103		Ground Grid Kit 135
Cable Sli			Ground Rod 134
~ ~	Hastings 45		Grounding Stud Cover 134
Cable St	• •		Hoists 119, 120
	Speed System 110		Rope Blocks 137
	Utility Tool 110		Studs 133, 134



Stud Cover 134 Swivels 99, 100 Tamping Bar 126 **Control Testers** Testers 157, 162 Hastings 83 Tester Accessories 157 Torque Limiter 122 **Control Valves** Transformer Gin 80 Greenlee 39 Chance cont. **Couplers** Greenlee 37 Voltage Detector 159, 161 Covers Voltage Indicator 161 Chance 81, 134 Clamps **Utility Solutions 193** Salisbury 187, 188, 189 **Clamp-on Meters Crimping/Cutting Tools** Greenlee 10 **AEMC 156** Klein 63 Greenlee 156 **Crimping Jaws** Clampsticks Chance 73, 74, 75 Greenlee 10 Huskie 11, 13 Cleaners American Polywater 86, 87, 192 **Crimping Tools** Burndy 12, 13, 15, 16, 17, 18, 45, 46, 47 Chance 86, 87 Hastings 86 Cembre 12, 18 Salisbury 191 Greenlee 10, 14, 16, 17, 18, 29, 30, 31, 46 **Cleaning Brushes** Huskie 11, 13, 14, 15, 16, 17, 19, 47 **Cutting Kits** Hastings 82 Greenlee 24 Climbers **Cutting Tools** Bashlin 147 Clipping Hooks 105 Burndy 12, 20, 21 Cembre 16, 22 **Clothing 194-197** Greenlee 19, 22, 23 Justin FR 194, 195, 196, 197 H.K. Porter 41, 44 Tingley 197 Huskie 19, 20 **Cluster Bag** <u>D</u> Estex 135 **DCD Cluster Bars** Cable Grips 96 Chance 134 Swivels 99 **Cluster Supports** Chance 134 Die Crimper Columbus McKinnon Burndy 45 Die Kits Hoists 120 Burndy 25 **Combination Splice/T-Body Tools** Greenlee 25 Speed Systems 113 Dies **Compact Pullers** Burndy 24 Sherman & Reilly 103 Greenlee 25 **Compression Head** Huskie 25 Huskie 31, 32 **Digging Bars Compression Tools** OshKosh 125 Burndy 29 Dillon Huskie 11, 47, 48 Dynamometer 105 **Conductor Supports** Chance 79 **Disconnect Tools** Chance 76 Hastings 82 **Conduit Measuring Tape** Discharge Stick Greenlee 104 Salisbury 83 Condux Rodders 101, 102



	THUC A
Dixie Tool	Bashlin 153
Cant Hook 124	Buckingham 145
Tongs 125	Gaff Pole Climbers
Driver End Wrenches	Buckingham 146
Chance 121	Global Glove
Dynamometers	Gloves 168
Dillon 105	Gloves
$\mathbf{\underline{E}}$	Salisbury 167
Eagle Line Tools	Youngstown 166, 167, 168
Rope 138	Glove Accessories
Earth Handling and Pole Setting 121-126	Salisbury 193
Edge Wedges	Glove Bags
Speed Systems 115	Buckingham 183
Elbow-Pullers	Estex 184
Chance 77	Glove Dust
Erin	Salisbury 191
Combination Rope 138	Golight
Estex	Portable Light 172
	Greenlee
Apron 89, 90 Blade Cover 94	Adapters 24
	Auger Bits 28
Bucket Cover 95	Batteries 26
Cluster Bag 135	Bolt Cutters 42
Glove Bag 184	Booster Assy. 36
Hooks 94	ž
Kneeling Pad 165	Breaker Assy. 34, 35
Line Hose Bag 184	Cable Cutters 22, 23, 39, 41, 43 Cable Puller 104
Pole Wrap 85	
Sleeve Bag 184	Chainsaws 33
Tool Bag 89, 90, 91, 92	Circular Saw Assy. 33
Extension Arm Accessories	Clamp-on Meters 156
Chance 82	Connectors 100
Extension Arms	Control Valves 39
Chance 79	Couplers 37
Hastings 78	Crimping Tool 14, 16, 17, 18, 29, 30, 31, 46
<u>F</u>	Crimper/Cutter 10
Fall Protection & Climbing Equipment 142-155	Cutter Kit 24
Fall Protection Sizing 141	Cutting Tool 19, 23
Ferrules	Dies 25
Salisbury 133	Ground Rod Driver 34
Flashlights	Hammer Drill 38
Streamlight 174, 175	Hose Assy. 39
Fuse Handling Tools	Impact Wrench 27, 28
S&C 85	Jaws 10
Fuse Pullers	Knives 57
Hastings 83	Measuring Tape 104
<u>G</u>	Nut Runners 38
Gaffs	Pole Puller Assy. 34
Bashlin 146	Poly Line 105
Gaff Guards	Pump 35, 37
Bashlin 152	Tamper Assembly 34
Buckingham 152	Grins



**Gaff Kits** 

Klein 106, 107, 108

Grips cont.	Bolt Cutters 41
Little Mule 106	Bucket Step 94
Grips, Cable Prep & Pulling Tools 96-115	Cable Slicer 45
Ground Clamps	Canister Kit 87
Chance 127, 128, 129, 130	Cant Hook 125
Hastings 132	Cant Tool 125
Salisbury 130, 131	Capacitor Tester 160
Ground Flag	Chain Saw Scabbard 93
Buckingham 135	Cleaners 86
Ground Grid Kits	Cleaning Brush 82
Chance 135	Conductor Holder 82
Grounds & Jumpers 127-136	Control Tester 83
Ground Mats	Detectors 160
Hastings 135	Extension Arms 78
Ground Rods	Fuse Puller 83
Chance 134	Ground Clamp 132
Ground Rod Driver	Ground Mat 135
Greenlee 34	Hand Line Block 139
Grounding Clamps	Handline Hook 137 Holsters 93
Chance 127, 128, 129, 130	
Hastings 132	Hot Stick 75, 76, 77, 82
Salisbury 130, 131	Hot Stick Accessories 85
Grounding Jumpers	Isolating Link 77, 78
Salisbury 136	Jumper Clamp 132
Grounding Order Form 201	Jumper Holder 132
Grounding Stud Covers	Line Guard 189
Chance 134	Lamp Changer Head 83
Gut Straps	Pruner 83
Buckingham 146	Pruning Saw 58
<u>H</u>	Phasing Meter 156, 157
H.K. Porter	Ratchet Cutter 48
Bolt Cutter 40	Rescue Kit 155
Cable Cutter 40, 42	Shotgun Stick 73, 74
Cutters 41, 44	Support Arm 79
Hacksaws	Tel-O-Pole 75, 76, 77, 80
Klein 58	Testers 163
Hacks aw Blades	Tool Tray 93
Klein 59	HD Electric
Hammers	Tester 162
Klein 61	Voltage Detector 159, 160
Madi 61	Headlamps
Hammer Drills	Streamlight 173, 174
Greenlee 38	Headline Hook
Hand Tools 49-72	Buckingham 137
Handline Hooks	Hex Key Set
Buckingham 137	Klein 59
Hastings 137	Hoists 116-120
Handline Blocks	Hoist Isolating Links
Hastings 139	Hastings 77, 78
Harnesses	Hole Diggers
Buckingham 153, 154	OshKosh 123
Hastings	<b>Hollow Core Poles</b>
Barricades 164	Jameson 59



	Thucx
Holsters	Isolating Link
Buckingham 92	Hastings 77, 78
Hastings 93	<u>J</u>
Hooks	Jameson
Estex 94	Hollow Core Pole 59
Klein 94	Knives 58
Hose Assembly	Pole Saw 59
Greenlee 39	Rodders 103
Hot Stick Accessories	Saw Blade 58, 59
Hastings 85	Jaw Grips
Hot Stick Cleaners	Klein 106, 107, 108
American Polywater 86, 87	JBC Safety Plastics
Chance 86, 87	
Hastings 86	Traffic Cones 164
Hot Sticks	Jenny Tools
	Cable Cutters 44
Hastings 75, 76, 77	Ratchet Cutters 42
Utility Solutions 76	Jumper Clamps
Hot-Sticks and Hot-Line Tool 73-87	Hastings 132
Hubbell	Salisbury 132
Grips 97, 98	Jumper Holders
Huskie	Hastings 132
Battery 25, 26	Jumper Hook
Cable Cutters 19	Utility Solutions 85
Compression Head 31, 32	Jumper Order Form 202
Compression Tool 47, 48	Justin FR
Crimping Tool 47	Clothing 194-197
Dies 25	<u>K</u>
Pump 36	<del></del> -
Robo-Crimp 11, 13, 14, 15, 16, 17, 19	Kelly Bar Adapters
Robo-Cut 20	Chance 121
Steel Punch 38	Klein
	Adjustable Wrenches 67
Hydraulic Tools 27-39	Backpack 91
<u>I</u>	Blocks 139
Impact Socket	Block & Tackle 138
Klein 67	Bolt Cutters 41
Impact Wrenches	Cable Cutters 43, 44, 49
Burndy 27	Cleaning Brush Set 115
Greenlee 27, 28	Grips 106, 107, 108
Stanley 27	Hacksaw 58
Impulse Stapler	Hacksaw Blades 58
Paslode 71	Hammers 61
Insertion Tools	Hex Set 59
Utility Tool 114	Hooks 94, 139, 140
<b>Installation Tools</b>	Impact Socket 67
Speed Systems 113, 114	Knives 55, 56, 57
Insulated Jumper Cables	Measuring Tape 60
Salisbury 136	Nut Driver Sets 51, 53
Insulation Strippers	Pliers 62, 63, 64, 65
Speed Systems 109, 110	Pole Punch 60
Insulation Stripper Accessories	Ruler 60
Speed Systems 111	
Insulator Covers	Screwdrivers 49, 50, 51, 52
Salisbury 187	Screwdriver Sets 51
Sausuury 107	Sharpener 55



Tool Bag/Bucket 88, 89, 91	M&A Produducts
Tool Kit 54	Stapul-Stik 72
Voltage Detector 161	Madi
Wire Tool 63, 140	Knives 57
Wrenches 68	Socket Driver 71
Wrench Sets 65, 66, 67	Hammer 61
Kneeling Pads	Universal Attachment 84
Estex 165	Utility Tool 84
Knives	Wire Brushes 72
Buckingham 58	Whe Blushes 72
Knives cont.	Wrench 71
Greenlee 57	
Jameson 58	Makita
Klein 55, 56, 57	Batteries 26
Madi 57	Manual Cutting & Compression Tools 40-48
Knopp	Mats
	Salisbury 186
Sequence Indicator 159	Meters
<u>L</u>	SensorLink 160, 161
Lamp Changers	Meter Pullers
Hastings 83	Rauckman 71
Lanterns	N
Streamlight 172	Nut Driver Set
Lanyards	Cementex 53
Bashlin 148	Klein 51, 53
Buckingham 148, 149, 150	Nut Runners
Leather Protectors	Greenlee 38
Salisbury 183	
Lewis Mfg.	<u>O</u> OshKosh
Debris Tarp 126	
Swivels 100	Cant Hook 124
<b>Lighting 172-175</b>	Digging Bar 125
Lincoln Hoist	Post Hole Digger 123
Hoists 118	Shovel 123, 124
Line Guard	Tamp Bar 124
Hastings 189	Ox Block
Line Hose	Buckingham 139
Salisbury 186, 187	<u>P</u>
Line Hose Bags	Pads
Estex 184	Buckingham 145
Little Mule	Paslode
Grips 106	Stapler 71
Hoists 116	Penlight
Load Break Tools	Streamlight 175
S&C 80	Phasing Meters
Utility Solutions 84, 85	Bierer Meters 157
Locking Dog Assembly	Hastings 156, 157
Chance 121	Pliers
Lowell	Cementex 61, 62
Wrenches 69	Klein 62, 63, 64, 65
	Pole Climbers
Lugall Haists 117	Buckingham 146
Hoists 117	Pole Guard
<u>M</u>	Salisbury 83, 189



**Pole Punch** Rope Klein 60 Eagle Line 138 Pole Puller Assembly Erin 138 Greenlee 34 Rope Blocks Pole Saw Kit Chance 137 Jameson 59 Ropes & Handlines 137-140 Rubber Blanket **Pole Slings** Bashlin 147 Salisbury 185 Pole Wraps **Rubber Gloves** Salisbury 178, 179, 181, 182, 183 Estex 85 **Poly Line Rubber Glove Sizing 176 Rubber Goods Testing Form 199** Greenlee 105 Rubber Insulating PPE & Accessories 178-193 **Portable Lighting System** Golight 172 Rubber Overshoes/Boots Salisbury 189, 190, 191 Pressheads Cembre 31, 32 **Rubber Sleeves Pruning Saw** Salisbury 184, 185 **Rubber Sleeve Sizing 177** Hastings 58 Jameson 58 Rubbermaid **Pruners** Mounting Bracket 165 Hastings 83 Water Cooler 165 **Pullers** Ruler Greenlee 34 Klein 60 **Pulling Grips**  $\underline{\mathbf{S}}$ Hubbell 97, 98 Sagometer 105 **Pumps** Sagwatch 105 Burndy 36 S&C Greenlee 35, 37 Handling Tool 85 Huskie 36 Loadbuster 80 PTI Salisbury Tool Tray 93 Ball & Socket System 133 R Blanket Accessories 192 Rauckman **Bushing Cover 189** Meter Puller 71 Cable End Cap 188 Wildlife Zap Shield 193 Clamps 130, 131, 132 Wrenches 70 Cleaners 191 **Ratchet Tools** Discharge Stick 83 Burndy 45 Ferrules 133 Cementex 71 Gloves 167, 168 **Reel Thing** Glove Accessories 193 Tulsa Power 137 Glove Bags 183, 184 **Rescue Kits** Glove Dust 191 Hastings 155 Guards 83, 84, 189 Rescue Systems Grounding Jumpers 136 Buckingham 155 Insulator Cover 187, 188 Salisbury 81 Jumper Cables 136 Rodders Leather Protectors 183 Condux 101, 102 Line Hoses 186, 187 Jameson 103 Line Hose Bag 184 **Roll Blankets** Rescue Stick 81 Salisbury 186 Roll Blanket 186 **Roller Grips** Speed Systems 113



Salisbury cont.

Rubber Blanket 185

Rubber Gloves 178, 179, 180, 181, 182, 183 Rubber Overshoes/Overboots 189, 190, 191

Rubber Sleeves 184, 185 Silicone Spray 191

Sleeve Accessories 192 Sleeve Bags 183, 184 Stinger Cover 193

Switchboard Matting 186 Tagging Device 188

Tool Kit 53

Voltage Detector 158

Saws

Greenlee 33 Hastings 58 Jameson 58, 59 Klein 58

Saw Blades

James on 58, 59

Scabbards

Hastings 93

**Scoring Tools** 

Utility Tool 112

Screwdrivers

Cementex 49, 50 Klein 49, 50, 51

Screwdriver Sets

Cementex 50 Klein 51

Scribers

Speed Systems 111, 112

Sensor Link

Voltage Meters 160, 161

**Sequence Indicators** 

Knopp 159

Seymour Midwest

Shovel 123

**Sharpening Tools** 

Klein 55

Sherman & Reilly

Compact Puller 103

Shotgun Sticks

Hastings 73, 74

Shovels

OshKosh 123, 124 Seymour Midwest 123

Signs

Bone 164, 165

Signs & Safety 164-168

Sign Stands

Bone 165

Sleeve Accessories

Salisbury 192

**Sleeve Bags** 

Buckingham 183

Estex 184

**Sleeve & Leather Protector Sizing 177** 

Slingco

Cable Grips 96, 97, 98

Swivels 100

Snaps

Buckingham 151, 152

Sockets

Speed Systems 72

**Socket Drivers** 

Madi 71

**Socket Sets** 

Cementex 67 Klein 65, 66

Speed Systems

Chamfering Tool 112

Combination Splice/T-Body Tool 113

Edge Wedge 115

Installation Tool 113, 114

Scribers 111, 112 Strippers 109, 110

Stripper Accessories 111

Sockets 72

Wrench 69, 70, 72

**Spotlights** 

Streamlight 173

Stanley

Impact Wrench 27

Stapler

Paslode 71

Stapul-Stik

M&A Products 72

**Steel Punch** 

Huskie 38

**Stinger Cover** 

Salisbury 193

Streamlight

Battery 172

Flashlight 174, 175

Headlamps 173, 174

Lantern 172

LiteBox Accessories 172

Pen Light 175 Spotlight 173 Worklight 174

Support Arms

Hastings 79



		1110	luex
Support	Studs		Chance 80
	Chance 133		Tulsa Power Products
Swivels			Reel Thing 137
	Condux 99, 100		<u>U</u>
	DCD 99		Universal Attachment
	Greenlee 100		Madi 84
	Lewis 100		Utility Solutions
	Slingco 100		Bypass Tools 84
	<u>T</u>		Clamps 193
Tagging	Devices		Jumper Hook 85
	Salisbury 188		Load Break & Pick-Up Tools 84, 85
Tamp Ba	· ·		Measuring Hot Sticks 76
- шр 23 ч	Chance 126		Utility Tool
	OshKosh 124		
Tampers			Chamfering Tool 112
rampers	Greenlee 34		Insertion Tool 114
Таре Ме			Scoring Tool 112
Tape Me	Klein 60		Strippers 109, 110, 111
Tarps	Kiciii 00		Utility Tools
ran po	Lewis 126		Madi 84
Test Fau	sipment & Meters 156-163		<u>V</u> Versa Guards
Testers	infinent & weters 150 100		
resters	AEMC 156		Salisbury 84, 189
	Chance 157, 162		Voltage Detectors
	Hastings 160, 163		Bierer Meters 159
	HDE 162		Chance 159, 161
Tester A	accessories		Hastings 160
icstel 1	Chance 157		HDE 159, 160 Klein 161
Tingley	Chance 137		
lingicy	Clothing 197		Salisbury 158
Tongs	Clothing 177		Voltage Indicators
Tongs	Dixie 125		Chance 161
Tool & I	Equipment Storage 88-95		Voltage Meters
	gs & Buckets		SensorLink 160, 161
TOOL Dag	Buckingham 88, 92		<u>W</u> Warren Heim
	Estex 89, 90, 91, 92		
	Klein 88, 89, 91		Tool Bucket 88
	Warren Heim 88		Water Cooler
Tool Kit			Rubbermaid 165
1001 1110	Cementex 54		Water Cooler Brackets Rubbermaid 165
	Klein 54		
	Salisbury 53		Wire Brushes
Tool Ret	pair Form 200		Madi 72
Tool Tra			Wire Tools
1001 114	Buckingham 93		Burndy 72 Klein 63, 140
	Hastings 93		
	PTI 93		Work Lights
Torque 1			Streamlight 174 Wrenches
4	Chance 122		Cementex 66
Traffic (			Klein 67, 68
	JBC 164		Lowell 69
Transfo	rmer Testers		Madi 71



Rauckman 70

Speed Systems 69, 70, 72

Wrench Sets

Cementex 65, 66 Klein 65, 66, 67

<u>Y</u>

Youngstown Gloves

Gloves 166, 167







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